AD/A-006 923

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS. INDONESIAN COASTAL MARINE AREAS. VOLUME I.

AREA 1 - SOUTHEAST SUMATRA. AREA 2 - CHRISTMAS ISLAND.

AREA 3 - SUNDA STRAIT. AREA 4 - NORTHWEST JAVA SEA.

AREA 5 - BANGKA ISLAND NORTHWEST.

AREA 6 - NATUNA ISLAND. AREA 7 - SARAWAK

Naval Weather Service Command Washington, D. C.

April 1975

THE STATE OF THE PARTY OF THE P

DISTRIBUTED BY:

NIS

National Technical Information Service
U. S. DEPARTMENT OF COMMERCE

The second se

U. S. NAVAL WEATHER SERVICE COMMAND

SUMMARY OF

SYNOPTIC METEOROLOGICAL OBSERVATIONS INDONESIAN COASTAL MARINE AREAS

VOLUME 1

AREA 1 - SOUTHEAST SUMATRA AREA 2 - CHRISTMAS ISLAND

AREA 3 - SUNDA STRAIT AREA 4 - NORTHWEST JAVA SEA

AREA 5 - BANGKA ISLAND NORTHWEST AREA 6 - NATUNA ISLAND

AREA 7 - SARAWAK

Best Available Copy



Reproduced by

NATIONAL TECHNICAL
INFORMATION SERVICE
US Department of Commerce
Springfield VA 22151

Prepared under the direction of the U.S. Naval Weather Service Command by the National Climatic Center, Federal Building, Asheville, N.C. 28801.

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The data contained in these tables were obtained from tape data Family 11 (TDF-11), Marine Surface observations. TDF-11 was primarily funded by the Naval Weather Service Command and selected by NWSD Asheville as the most comprehensive collection of marine surface observations from which to develop a series of coastal marine summaries. The source was punched cards of weather observations taken aboard vessels of varying registry. They were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible, Where this was not possible, the original data were retained within the tape record as supplemental data. A very Imited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these dara are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing our data toward good weather samples.

Because the number of obscrvations may vary from one table to the other, no absolute relationship exists between the tables. As an example, all temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and <.05. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area. This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables I through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

<u>Table 2</u> - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present), and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Naurical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT),

<u>Table 11</u> - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Celling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (R) by Air Temperature (°F.).

C

O

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (°F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (°F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine datafile. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (°F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (°F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all Hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT. Note:

CONTENTS

PROPERTY.

PAGES	1-79	80-158	159-237	238-316	317-395	396-474	475-553
NAME	Southeast Sumatra	Christmas Island	Sunda Strait	Northwest Java Sea	Bangka Island Northwest	Natuna Island	Sarawak
AREA	1	2	ო	4	2	9	7

Copies of this document are obtainable from the National Technical Information Service Springfield, Virginia 22151. (NTIS),

DIRECTION AND WEATHER CODES

t

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS		VISIBILITY (VV)	PRESEN	PRESENT WEATHER (1960 WMO CODE 4677)) OMM 096	ODE 4677)
in converting wind and wave directions to 8 Doints. This method attaches weighting	CODE	INTERPRETATION (NAUTICAL MILES)	CODE IN	INTERPRETATION	CODE	Interpretation
values to observations which overlands to different 8 point sectors and treats them as "decimal observation counts." These	90-93		58-59 60-65	2	10-12	FOG (WITHOUT PRECIPITATION)
decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below	94	1/25W<1	(68-69,95,97 IF TEMP > 10°F)		288	FOG (WITHOUT PRECIPITATION)
Subgrimposed. Note: Because of rounding, sub-total sums of "observation counts" may not equal grand totals.	95	1≤vv<2	80-82, (83-84) 1F TEMP ~40°F) 50-55, 54-59	CAIN SHOWERS DRIZZLE	0.4-05	SWOKE
* * * * * * * * * * * * * * * * * * * *	96	2 <u><</u> VV<5		FREEZING PRECIPITATION	06-09 30-39	SPRAY BLOWING DUST BLOWING SNOW
	26	5 <u><</u> VV<10	70-75,85-86 (68-69,83-84, 95,97 IF TEMP	SNO%	00-03 14-16 18	NO SIGNIFICANT WEATHER AT OB TIME
	86	10≤VV<25		OTHER PROZEN PRECIPITATION		NO PRECIPITATION
Fig 1 The 8 point Pig 2 The 16 point direction system system on the 8 point system	66	VV≥25	87-90	HAII.	{61-00	AT OF TIME
	NOTE	<pre><means less="" than;<br="">>means greater than;</means></pre>	13,17	THUNDER	20-99	PRECIPITATION AT OB TIME
		≤means less than or equal to; ≥means	·	LIGHTNING THUNDERSTORM	20-27	PRECIPITATION PAST HOUR
		greater than or equal to.	NOTE The tollor weather es 68-69 (ra	The following MMO codes were counted in two weather categories, 58-59 (rain and drizzle), 68-69 (rain and snow), 93-94 (rain and hail).	were cour -59 (rain 93-94 (rai	ited in two and drizzle). n and hail).
Fig 3 The 32 point direction Fig 4 The 36 point direction system superimposed a system superimposed on the 8 point system			so and sy (nat \text{torm}, 95 and thunder\text{torm}, thunder\text{torm},	so and SV (nail and thunder lightning thunder- storm). 95 and 97 (snow and thunder/lightning, thunder-storm), or (rain and thunder/lightning, thunder-storm).	nder light ind thung ind thung	nink/thunder- ler/lightning, ler/lightning

*

WAVE HEIGHT (from source decks 128 and 116)

4

AS RECORDED IN TABULATION (FEET)		49-60			61-70					71-86				>87	
RANGE (METERS)	>14.75 to 15.25 >15.25 to 15.75 >15.75 to 16.25	2 2 2	>17.75 to 18.25	>18.25 to 18.75	445	>20.25 to 20.75 >20.75 to 21.25	>21.25 to 21.75)	<u>.</u> ۲	>22.75 to 23.25	>23.25 to 23.75	2 2	; t	>25.75 (28.25	>26.25 to 49.75}	Indeterminate≖INDET
RECORDED CODE (HALF METERS)	30 31 32		98 98			4 4 1 2 2	43		40		49		25	53-99	Indete
AS RECORDED IN TABULATION (FEET)	20-22	23-25	1	26-32			33-40			م	41-48		_		
RANGE (METERS)	>5.75 to 6.25 >6.25 to 6.75	>6.75 to 7.25	to to	>7.75 to 8.25 >8.25 to 8.75	3 5	>9.75 to 10.25	2 4			>12.25 to 12.75	3 2	<u>.</u>	>14.25 to 14.75		
RECORDED CODE (HALF NETERS)	13	11	15	16	19		222				27		67		
AS RECORDED IN TABULATION (FEET)	1	1-2	3-4	5-6	7	о ж	•	10-11		12		13-16	}	17-19	
RANGE (METERS)	<.25}	>.25 to .75}	>.75 to 1.25}	>1.25 to 1.75}	>1.75 to 2.25}	>9.95 to 9.75)		>2.75 to 3.25}		>3.25 to 3.75}	•	>3.75 to 4.25	>4.25 to 4.75)	>4.75 to 5.25 >5.25 to 5.75	
RECORDED CODE (HALF NETERS)	00	01	05	03	04	4	3	90		07		90	σ. Ο	11	

JANUARY

TABLE 1

AREA 0001 SQUTHEAST SUMATRA 3.78 101.7E

•	RCENT	FREQUENCY	ΩF	WEATHER	DCCURRENCE	87	WIND	DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR LYNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		
N	1.3	.0	.0	•0	-0	•0	•0	8.3	•0	16.7	•0	•0	•0	•0	75.0
NE	14.8	.0	.0	.0	•0	.0	.0	14.8	•0	14.8	•0	•0	.0	•0	85.2
E	25.0	.0	.0	.0	•0	.0	.0	25.0	•0	.0	.0	.0	.0	.0	75.0
E Se	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	•0	.0	•0	•0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	• 0	.0	•0	•0	100.0
Š'n	.0	14.8	.0	.0	• 0	•0	• 0	14.8	•0	•0	• 0	•0	•0	•0	85.2
W	32.4	.0	8.1	.0	•0	. C	•0	40.5	•0	10.8	•0	.0	•0	•0	59.5
Ñ₩	9.3	11.4	.7	.0	.0	.0	.0	21.4	2.9	1.4	•0	, o	•0	•0	74.3
VAR		. 0	.0	.0	•0	.ŏ	.0	.0	• 0	.0	·ò	.0	.0	.0	.0
CALM	.0	.0	.0	.0	•0	.0	.0	•0	•0	25.0	.0	.0	.0	.0	75.0
TOT PCT	10.2	5.7	1.1	.0	•0	.0	•0	17.0	1.1	5.7	•0	•0	•0	•0	78,4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	TYPE					STHER	WEATHER	PHENOI	HENA	
HOUR (GHT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SHOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FDG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	ND S1G WEA
00603 06609 12615 18621	14.3 3.2 .0 22.7	9.5 6.5 .0 4.5	.0 .0 .9	.0 .0	•0	.0	.0 .0 .0	23.8 9.7 .0 31.8	3.2 .0 .0	4.8 .0 6.7 13.6	.0 .0	.0 .0 .0	•0	.c .o .o	71.4 87.1 93.3 63.6
TOT PCT TOT CBS:	10.1	5.6	1.1	•0	•0	.0	.0	16.9	1.1	5.6	•0	•0	•0	•0	78.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	0-3			22-33		48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HDUR 09	(GHT) 12	15	13	21
N NE E SE S S W W NW VAR CALM TOT OBS	1.8 1.6 2.3 2.1 1.8 1.9 2.8 .0 9.8 779 25.7	6.8 3.1 3.0 6.2 3.7 4.0 7.0 17.1 .0	2.2 .2 .7 .5 .5 2.9 12.5 .0	.2 + .0 .0 + + .6 2.8 .0	.0	• • • • • • • • • • • • • • • • • • • •	3037	10.9 5.0 4.8 9.2 6.4 6.2 12.4 35.3 9.8	7.8 5.2 5.9 5.5 5.9 8.9 11,0	15.8 9.2 6.6 8.6 4.1 4.3 8.1 35.5 .0 7.7 519	••••••••	10.3 3.0 4.0 8.3 5.5 4.3 10.7 42.7 .0	5.1 .9 1.0 7.4 9.8 12.3 20.9 37.5 .0	6.5 2.5 3.5 10.4 6.9 8.8 16.3 33.2 0 11.9	10.0 30.0 20.0 20.0 10.0 10.0	10.9 5.6 5.7 10.3 6.4 4.1 11.7 30.9 14.2 473	16.4 7.9 7.6 10.0 5.8 4.0 7.5 31.9 9.0 535

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	R (GHT))
UND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18
	. •					DBS	FREQ	SPD	03	09	15	21
N	5.4	4.9	.7	•	.0		10,9	7.8	15.8	7.8	6.6	13.8
NE	3.8	1.2		.0	.0		5.0	5.2	9.2	2.0	2.8	6.9
E	3.6	1.2		.0	.0		4.8	5.2	6.6	2.5	3.8	6.7
ŠĒ	6.1	2.9	.1	.0	•0		9.2	5.9	8.6	7.9	10.5	10.1
\$	4.7	1.6	•1	.0	.0		6.4	5.5	4.1	7.6	6.9	6.1
SW	4.2	1.9	.i	ě	.0		6.2	5.9	4.3	8.2	8.7	4.1
W	5,7	4.9	1.7	.1	.0		12,4	8.9	8.1	15.7	16.1	9.4
NW	10.3	17.6	6.7				35,3	11.0	35,5	40.2	33.0	31.4
VAR	.0	•0	.0	.0	.0		.0	.0	.0	.0	.0	•0
CALM	1.8	• •	• • •	•-			7.8	.0	7.7	8.2	11.8	11.4
TOT GES	1625	1100	288	23	1	3037		7.6	519	1008	502	1008
TOT PET	53.5	36.2	9.5		ě		100.0		100.0	100.0	100.0	100.0

PAGE 001

	 16		

PERIOD: (PRIMARY) 1889-1967 (OVER-ALL) 1855-1967

TABLE 4

AREA 0001 SOUTHEAST SUMATRA 3.75 lol.76

PERCENTAGE	FREQUENCY	ΩF	MIND	SPEED	BY	HOUR	(CHT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (22-33	KNATS) 34-47	48+	MEAN	PCT FREQ	TOTAL GBS
00603 06609 12615 18621 TOT PCT	7.7 8.2 11.8 11.4 297 9.8	18.9 14.5 14.1 16.6 482 15.9	52.0 51.6 51.0 49.4 1544 50.8	17.7 21.6 20.1 18.6 598 19.7	3.5 3.9 3.0 4.0 112 3.7	.2 .2 .0 .1 4	• • • • • • • • • • • • • • • • • • • •	7.9 7.3	100.0 100.0 100.0 100.0	519 1008 502 1008 3037

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE AND DO	REQUEN	ICY OF	CEILIN	G HEIG	HTS (I	T,NH ;	>4/8)	
NIO CHW	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499			NH <5/8 ANY HGT	
N	.0	.0	6.1	2.0		7.0	•0	•0	.0	•0	.0	2.0	.0	2.0	_	_		
NE	.0	.0	6.1	•0		6.8	•0	•0		•0	2.7				.•0	•0	4• <u>:</u>	
E	.0	.0	•0	2.7		8.0	.0	•0				•0	•0	•0	2.7	•0	• 7	
ŠE	.ŏ	.7	2.7	2.7		6.6	·ŏ	•0	•0	•0	.0	•0	•0	•0	•0	•0	2.7	
Ē.	.0	2.0	•0	0					•0	•0	•0	•0	•0	•0	•0	•0	6.1	
SW						4.0	•0	•0	•0	.0	•0	•0	•0	•0	•0	.0	2.0	
		2.7	2.7	2.7		6.0	•0	• 0	.0	2.7	•0	• 0	.0	•0	•0	.0	5.4	
W	•0	4.7	2.0	7.4		6.0	•0	•0	•0	5.4	•0	•0	.0	•0	•0	•0	8.8	
ИM	•0	6.1	20.9	14.9		6.3	•0	•0	2.7	5.4	8.1	• 7	•0	• 7	• 6		24.3	
VAR	۰0	.0	•0	•0		•0	•0		.0	.0		•0	ŏ	•0	•0			
CALH	2.7	.0	8.1	.0		4.7	• 0	•0	.0	.0	.0					•0	0	
TOT DBS	1	6	18	12	37	6.1	ŏ	č	·ř	•	• • •	• 0	•0	•0	•0	•0		
TOT PCT	2.7	16.2	48.6	32.4	100.0		•ŏ	•0	2.7	13.5	10.8	2.7	.0	2.7	2.7	•0	64.9	100.0

TABLE 7

CUMULATIVE PCT FREQ DF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY ('N)

				VSBY (NE	1)			
CEILING	- DR	= CR	• (IR	= DR	 OR 	OR	- OR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
DR >5000	2.7	5.4	5.4	5.4	5.4	5.4	3.4	3.4
■ OR >3500	2.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4
■ DR >2000	5.4	8.1	8.1	6.1	8.1	6.1	8.1	8.1
■ DR >1000	16.2	18.9	18.9	18.9	18.9	18.9	18.0	18.9
■ DR >600	21.6	32.4	32.4	32.4	32.4	32.4		
• OR >300	21.6	35.1	35.1	35.1	35.1		3.4	32.4
						35.1	: .1	35.1
 OR >150 	21.6	35.1	35.1	35.1	35.1	35.1	5.1	35.1
■ DR > 0	21.6	35.1	35.1	35.1	35.1	35.1	.5.1	35,1
TOTAL	8	13	13	13	13	13	13	13

TOTAL NUMBER OF OBS: 37

PCT FREQ NH <5/81 64.9

TABLE 7A

PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS .0 11.3 24.5 9.4 18.9 15.1 5.7 7.5 7.5 .0 53

PAGE 002

ŋ

A	۵.		D	٧

								JA	VUARY						
PERIODE	(PRIMARY) 1 (OVER-ALL) 1							TA	ele e				ARE	4 0001	SOUTHEAST SUMATR
			P	ERCENT						URRENC ALUES				E OF	
	V58Y (4H)		•	NE	E	ŞE	S	S'n	*	Nw	VAR	CAL	PCT	TOTAL	
	<1/2	PCP ND PCP	.c	.0	.0	٥.	•0	:0	.0	1	٠٥	•0	1.1		
		TOT \$.0	.0	.0	.0	•0	•0	:0	1.1	.0	•0	1.1		
		PCP	.c	•0	•0	•0	•0	•0	.0	.0	.0	•0	.0		
	1/2<1	TOT \$.0	.0	.0	:3	.0	•0	.0	.0	:0	•0	.0		
		PCP	.0	.0	٠.	.0	•0	• 2	.0	.0	.0	•0	٠.		
	1<2	NO PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0		
		PCP	• C	.0	.0	.0	•0	• 1	2.	2.3	•0	•0	2.3		
	2<5	NO PCP TOT %	.0	.0	.0	.0	•0	.0	:0	2.3	:0	•0	2.3		
		-CP	. 9	1.1	.0	•0	-0	• •	2.3	4.8	.0	.0	9.1		
	5<10	TOT %	3.7	1.7	•0	.6	•6	1.1	3.4	11.4	•0	•0	13.6		
	10.	PCP NO PCP	.c	.0	1.1		6.8	1.1	2.0	24.7	.0		4.5		
	10+	TOT %	5.7 9.7	6.5	3.4 4.5	7.1 7.1	6.8	5.4	5.1 7,1	25.0	.,	4.5	69.3 73.9		
		TOT DOS													

TOT OBS TOT PCT 10.2 /.7 4.5 7.7 7.4 7.7 10.5 37.8 .0 4.5 100.0

	PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY												
VS8Y (4H)	SPD KTS	N	46	£	58	\$	Sw	w	44	YAR	CALM	PET	TOTAL OBS
	0-3	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
<3/2	4-10	.0	.0	.0	.0	.0	.0	.0	. 2	.0		.2	
	11-21	.0	•0	•0	• 0	•0	.0	.0	•0	.0		.0	
	22+	.0	•0	•0	.0	.0	.0	.0	.3	.0		.3	
	TOT \$	•0	•0	•0	•0	•0	.0	.0	.5	.0	.0	.5	
	0-3	.0	•0	•0	•0	•0	-0	•0	-0	.0	•0	.0	
1/2<1	4-10	٠٥.	.0	•0	.0	.0	.0	.0	.0	۰,0		.0	
	11-21	.0	.0	•0	.0	.0	.0	.c	.0	.0		.0	
	22+	.0	•0	• 0	•0	.0	•0	.0	٠٥	٠.		.0	
	TOT \$.0	•0	•0	•0	•0	.0	.0	•0	.0	•0	.0	
	0~?	.0	.0	.0	-0	.0	.0	.2	.0	.0	.0	.2	
1<2	4-10	•0	•2	•0	.0	.0	.0	.0	.2	.0		.3	
	11-21	.1	.0	•0	•0	.0	.0	-1	.3	. 0		. 5	
	22+	.0	•0	• 0	-0	.0	.0	.0	.0	.0		.0	
	TOT E	-1	•2	•0	•0	.0	.0	.3	.5	.0	•0	1.0	
	0-3	.0	٠0	.3	.0	.0	.2	.0	.0	.0	.2	.7	
2<5	4-10	•2	-0	•0	•0	•0	.0	.0	.0	.0		.2	
	11-21	.2	•0	•0	• 0	•0	•0	-1	.6	.0		,,	
	22+	.0	.0	•0	•0	.0	.0	.3	- 1	.0		.3	
	TOT \$.3	.0	. 3	•0	•0	.2	.3	.7	.0	• 2	2.1	
	0-3	.3	.0	•2	.2	.1	.4	.3	.4	.0	.3	2.3	
5<10	4-10	1.5	.5	• 1	.3	.3	.4	1.4	2.6	.0		7.3	
	11-21	.2	• 1	• 1	•0	.0	.0	. 6	3.9	.0		4.9	
	22+	.0	.0	.0	.c	.0	.0	.3	.3	.0		.5	
	TOT \$	2.2	• 6	. 3	. 5	. 4	. •	2.5	7.1	.c	.3	14.9	
	0-3	2.4	1.9	1.6	2.3	2.3	1.6	1.6	4.7	.0	1.3	26.7	
10+	4-10	5.4	2.0	2.4	3.2	2.0	3.4	7.1	17.0	.0		42.6	
	11-21	.7	.0	-0	• 0		.2	1.3	8.2	ĕ		10.4	
	22+	.0	•0	•0	•0	.0	.0	.1	1.6	.0		1.7	
	TOT \$	8.5	3.9	4.0	5.5	4,3	5.2	10.1	31.5	ō	8.3	41,5	
1	TOT CBS												577
1	TOT PCT	11.1	4.7	4.7	6.0	4.4	4.3	13.2	40.4	-0	8.8	100.0	3

1	AN	ıu.	L R	Y

PERIOD: (PRIMARY) 1889-1967 (OVER-ALL) 1855-1967

TABLE 10

AREA 0001 SOUTHEAST SUMATA4 3.75 101.7E

PERCENT	FREQUENCY	ING HE		>4/81	AND

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000÷	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	•0	•0	12.5	12.5	•0	•0	•0	6.3	•0	31.3	68.8	16
90380	.0	•0	•0	13.3	6.7	6.7	•0	6.7	•0	•0	33.3	66.7	15
12615	.0	•0	12.5	•0	12.5	.0	.0	•0	.0	•0	25.0	75.0	
18621	.0	•0	•0	12.5	•0	.0	.0	•0	•0	•0	12.5	87.5	
TOT	0	0	2.1	10.6	4.5	2.1	0	2.1	1	.0	13	72.3	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	•0	.0	1.0	3.0	14.1	81.8	99	00003	.0	•0	16.7	25.0	58.3	12
₹0300	•0	.0	.5	.0	12.0	87.4	191	90360	.0	•0	16.7	25.0	58.3	12
12615	1.0	.0	•0	1.0	16.7	81.3	96	12615	•0	12.5	12.5	12.5	75.0	8
18621	1.0	.0	2.1	4.2	17.7	75.0	192	18621	.0	•0	20.0	•0	60.0	5
TOT PCT	3	0	6 1-0	12	87 15.1	470	578 100-0	TOT PCT	0	1	6	7	2,	37

TARLE 13

TABLE 14

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PC												PERC	ENT FR	EQUENC	Y 0F W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-49	76-79	80-89	90-100		FREQ	N	NE	E	SE	Ş	SW	w	NW	VAR	CALM
85/89 80/84		.0			3.0					3.0 78.8		3.0	.0	.0	.0	.0	.0	3.0	.0	.0 6.1
75/79 TOTAL	•0		•0	.0	.0	.0	6.1		•	18.2	.0		3.0					6.1		3.0
PCT	.0	.0	•0	•0	6.1	21.2	57.6	15.2			6.8	3.0	3.0	6.1	2.3	9.8	10.6	49.2	•0	7.1

				TAE	BLF 15									TABLE	16			
	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR										PERC	ENT FRE	QUEHÇY	OF RELA	TIVE H	YTILIKU	SY HOU	R
HOUR (GMT)	XAM	998	95%	50%	5 ts	1%	HIN	MEAN	TOTAL UBS	HOUR (GMT)	0-29	30-59	60-69	70-79	60-89	90-100	MEAN	TOTAL OBS
00203	92	87	85	81	76	74	73	80.7	512	60203	.0	.0	.0	23.1	61.5	15.4	84	13
90340	92	89	87	83	78	76	72	82.6	981	90340	.0	.0	.0	30.4	54.5	9.1	83	Ĭ1
12615	89	87	85	82	77	75	73	81.5	490	12615	.0	•0	33.3	10.7	33.3	16.7	78	6
18621		86	84	80	76	74	73	80.2	785	18621	.0	•0	.0	•0	75.0	25.0	86	Ā
TOT	92	8.6	86	81	77	74	72	81.3	2948	TOT					1.0		83	34

PAGE 004

C C

The state of the section of the section of

0 Ð

JANUARY

PERIOD: (PRIMARY) 1889-1967 (OVER-ALL: 1855-1967

TABLE 17

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE CCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 75	77 80	81 84	85 88	TOT	FOG	#D FDG
7/8	•0	•0	1.2	.0	1	.0	1.2
4	.0	.0	1.2	٠.	1	.0	1.2
2	.0	.0	3.7	1.2	4	.0	4.9
ī	•0	•0	2.4	1.2	3	.0	3.7
1 0 -1 -2 -3	1.2	1.2	9.8	1.2	11	.0	13.4
-ĭ		•0	18.3	.0	15	.0	18.3
- 2	.0	4.9	14.6	ŏ	16		19.5
-3		7.3	7.3	.0	12	.0	14.6
-4	1.2	6.1	6.1	ě	ii		13.4
-5	1.2	3.7	1.2	ŏ	• • •	.ŏ	6.1
			*.5		í	.ŏ	
-6	.0	1.2		.0			1.2
-7/-6	1.2	1.2	.0	•0	2	.0	2.4
TOTAL	4		54			0	82
		21		3	82		
BCT	4.9	25.6	A4.9	3.7	100-0		100-0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 ... 0 ... 48.000.000.000.000.000.000.000.000.000 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-60
41-48
49-60
61-70
71-86
TOT PCT 1-3 4-10 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-17
23-25
24-25
24-25
41-48
49-60
61-70
71-84
49-70
71-87
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71-70
71 1-3 4-10 4-10

PERIOD:	COVE	T-ALL)	1963-1	967				****	JANUARY				AREA			ST_SUMATRA
								TABLE	18 (CONT	,				3.	75 101	• /E
				PC	T FRED	OF WIND	SPEED	(KTS)	AND DIRE	אסנדם ו	ERSUS S	EA HEIG	HTS (FT)	1		
				5								Sw				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	•0	9.4	•0	•0	•0	•0	9,4		•0	•0	0	•0	•0	۰٥٠	0	
1-2 3-4	•0	٠,٥	•0	•0	•0	• 0	•0		•0	•0	12.5	•0	•0	•0	12.5	
5-6	•0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
7	.0	.0	•0	.0	.0	.0			.0		.0	.0	•0	.0	.0	
8-9		.ŏ	•0	.0	.0	.0	.0		.0		.0		•0		•0	
10-11	.0		•0		·ŏ	•0	.0		ŏ			ě	•0		•0	
12	.ŏ		ěŏ	·ŏ		• 0	.ŏ		ő	.0	5.		•0		·ŏ	
13-16	.0	.0	•0	.0	.0	•0	10		.0	.0	.0	.0	•0	.0	• 0	
17-19	•0	.0	•0	•0	•0	•0	•0		.0	.0	.0	•0	د ٠	.0	•0	
20-22	•0	.0	•0	•0	.0	•0	•0		•0	.0	.0	•0	•0	•0	•0	
23-25	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	.0	•0	.0	•0	
26-32	.0	.0	•0	•0	.0	•0	• 6		•0	•0	•0	•0	•0	.0	•0	
33-40	•0	.0	•0	•0	•0	•0	•0		• 0	•0	•0	-0	•0	•0	•0	
41-48	.0	.0	•0	•0	.0	•0	•0		•0	٠.0	.0	.0	•0	.0	•0	
49-60	•0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
61-70	•0	.0	•0	.0	.0	•0	•0		•0	•0	.0	.0	•0	.0	•0	
71-86	•0	.0	•0	.0	.0	••	•0		•0	•0	.0	•0	•0	٠,	•0	
87+	٠.0	.0	•0	.0	.0	.0	0		•0	•0	0	•0	•0	.0	0	
TOT PCT	•0	9.4	•0	.0	•0	•0	9.4		.0	•0	12.5	•0	•0	•0	12.5	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
₹1		.0	•0	.0	.0	•0				.0		.0	.0	.0		
1-2		.0	•0	•0	.0	•0	•0		•0	25.0	.0	•0	•0	.0	25.0	
3-4	·ŏ	.ŏ	•0	.0	.0	. 0	.0		.0	.0	.0	.0	.0	.ŏ	.0	
5-6	.0	.0	•0	•0	.0	•0	.0		.0	.0	12.5	.0	.0	.0	12.5	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
8-9	.0	٠.	•0	12.5	.0	•0	12.5		.0	.0	.0	•0	•0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	•0	1	•0	.0	.0	.0	.0	.0	•0	
12	•0	.0	•0	.0	.0	.0	•0		.0	•0	.0	.0	•0	.0	•0	
13-16	•0	.0	•0	.0	.0	•0	•0		.0	.0	.0	.0	•0	•0	•0	
17-19	•0	.0	•0	.0	.0	•0	•0		.0	.0	.0	.0	•0	.0	•0	
20-22	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
23-25	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
26-32	•0	.0	•0	.0	.0	•0	•0		.0	•0	.0	•0	•0	.0	.0	
33-40 41-48	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
49-60	.0	.0	•0	.0	.0	.0	•0		•0	•0	.0	•0	•0	•0	•0	
61-70	.0	.0	.0	.0	.0	.0	• • • • • • • • • • • • • • • • • • • •		•0		.0	•0	•0	.0	•0	
71-86	.0	.0	.0	.0	.0	.0	•0		.0	.0	.0	.0	•0	.0	.0	
87+			•0						ě	.0					.ŏ	
TOT PCT	.0	•0	•0	12.5	.0	.0	12.5		.0	25.0		•	•0	•0	37.5	87.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.5	12.5	.0	.0	.0	.0	25.0	003
1-2	12.5	25.0	12.5	.0	.0	.0	50.0	
3-4	.0	.0	.0	. c	.0	.0	.0	
5-6	.0	.0	12.5	.0	.0	.0	12.5	
7	.0	.0	•0	.0	.0	.0	.0	
8-9	•0	.0	•0	12.5		.0	12.5	
10-11	.0	.0	•0	.0	.0	.0	.0	
12	•0	.0	•0	.0	.0	.0	.0	
13-10	•0	.0	• 0			.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	•0		.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	•0	•0	
33-40	.0	•0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	•0	.0	•0	•0	•0	
61-70	•0	.0	•0	•0	.0	•0	•0	
71-86	•0	.0	.0	.0	-0	.0	•0	
87+	•0	•0	•0	•0	•0	•0	•0	_
TOT PCT	25.0	37,5	25.0	12.5	.0	.0	100.0	•

PERIODI	(OV	ER-ALL	194	9-196	7				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	D\$1						
PERIOD (SEC)	<1	1-i	3-4	5-6	7	849	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
<6	.0	21.6	8.1	2.7	.0	.0	.0	.0	.0	.0	0	.0		۰. ۱	.0	.0	.0	,0	.0	12	3
6-7	•0	13.5	10.8	8.1	5.4	•0	.0	.0						• • •		.0	.0	.0	.0	14	4
8-9	•0	•0	2.7	5.4	5.4	2.7	•0	2.7	• • •	.0	:0	•0	.0			.0	.0	.0	.0	7	7
10-11	•0	•0	5.4	.0	•0	•0	.0	• 0		.0			.0			.0	.0		•0	2	3
10-11 12-13	•0	•0	•0	.0	•0	.0	.0	•0	• •0	.0	.0	• • •	-0			.0	.0	•0	.0	0	
>13	•0	•0	•0	.0	-0	.0	.0	•0	• • •	.0	.0	•0	.0	• • 0	• • •	.0	.0	,0	.0	٥	
>13 INDET	•0	2.7	2.7	.0	•0	.0	•0	-0										.0	•0	2	3
	0	14	11	6	4	1	ò	ī	Ó	0	. 0	. 0) 0	Ó	. 0	Ö	0	Ö	37	4
PCT	•0	37.8	29.7	16.2	10.0	2.7	•0	2.7	• • •	•0	.0	• • •	• • •			٥٠	•0	٠ō	•0	100.0	

PAGE 006

and a comment of the second

(8

€

9

ð

•

PERLENT	FREQUENCY	OF	WEATHER	DECURRENCE	RY	WIND	STRECTIC

				•							110 31"	60.1504			
			•	RECIPI	CITAT	N TYPE					CTHER	WEATHER	PHEND	HENA	
WND CIR	RAIH	RAIN SHWR	DRZŁ	FRZG PCPN	SNOW	OTHER FAZN PCPN	HĀĮL	PCPN AT OB TIME	PCPN PAST Hour	THDR LTNG	FDG WD PCPN	POG WO PCPN PAST HR	HAZE	SPRAY BLHG DUST BLHG SND	
N	.0	.0	.0	.0	.0	.0	.0	.0	•0	22.2	•0	.0	•0	.0	77.8
NE	57.1	.0	.0	.0	.0	.0	.0	57.1	.0	28.6	.0	.0	•0	.0	24.3
E	.0	.0	, o	. 0	·õ	.ŏ	.0	.0	•0	.0	.0	ě	.0	iõ	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	110.0
Š	.0	.0	.0	.ŏ	.0		.č	.0	٥.	·ŏ		,0	.5	ŏ	100.0
Su	33.3	.0	.0	. 0	.0	.0	•0	93.3	33.3		.0	.0	•0	.0	33.3
Ň.		0.9	.ŏ		.0		.0	6.9	6.9		.ŏ	, o	ě	ŏ	86.2
Ñw	17.2	3.4	.0		.0		.0	20.7	13.1		.0		ŏ	ěŏ	63.5
VAR		.0			.0			2010	•0	-	.0	3.0	•0		0.0
CALP	.ŏ	.ŏ		.0	3.			.0		••					
CALF	.0	.0	.0	.0		•0	.0	.0	•0	•0	.0	.0	•0	•0	100.0
TOT PCT TOT CES:	12.9	3.2	•0	•0	•0	•0	•0	16.1	9.7	3.2	•0	•0	•0	•0	71.0

TABLE 2
PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			•	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MEMA	
HOUR (GHT)	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNC×	OTHER FRZN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FDG WD PCPN	FOG WO PCPN PAST HP	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	12.5 18.2 .0 18.2	.0 7.1 9.1	.0 .9 .0	.0	.0	.0	•0	12.5 18.2 7.1 27.3	12.5 18.2 .0	.0 7.1 9.1	•0 •0 •0	.0	•0	.0 .0 .0	75.0 63.6 85.7 63.6
TOT PCT TOT 085:	12.7	3.2	.0	.0	٠.	.0	•0	15.9	9.5	3.2	•0	.0	•0	•0	71.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

							-						-				
WND DIR	0-3	4-10	ND SP86 11-21	22-33	TS) 34-47	48+	TOTAL Das	PCT FREQ	MEAN SPD	00	03	06	HDUR 09	(GHT) 12	15	18	21
N.	1.0	6.3	2.2	.2	•	•0		10.5	0.1	17.6	•0		4.5	8,4	•0	12.5	12.8
NE	1.6	3.9	. •		•0	•0		3.9	5.7	9.2	•0	2.8	1.7	3.8	•0	*. 2	9.5
E	1.5	2.6	.3	•	.0	•0		4.4	5.5	7.3	•0	2.0	1.1	3.3	.0	6.5	7.3
56	2.1	4.5			.0	.0		7.1	3.8	8.7	•0	8.1	4.2	6.5	.0	7.1	.0
ė"	2.0	4.7		٠.	.0			6.9	5.4	3.4	•0	7.4	11.6	8.6	.0	5.5	5.2
ž.,																	
Sw	2.1	4.5	. •	.1	.0	•0		7.3	5,8	4.1	• 5	7.3	13.0	9.0	•0	6.8	3.5
W	2.6	7.8	3.1	.6	•0	•0		14.1	8.3	8.3	• 0	13.9	21.8	19.5	100.0	10.6	10.2
Nw	3.1	16.6	10.2	3.0	. 2	•0		53.1	10.9	31.8	•0	39.6	36.0	29.9	•0	28.5	32.3
VAR	.0	•0	.0	.0	.0	• 0		.0	.0	•0	•0	.0	.0	•0	•0	.0	•0
TOT DBS	10.0	1426	489	110	5	0	2799	10.8	7.0	10.6 472	•0	11.6	6.0 451	11.0	•0	14.1	11.2
TOT PCT	27.4	10.0	17.6	1.0		- ^		100.0	. •	100.0		100-0			100.0		

					TAE	LE 3A						
WHO DIR	0-6	WIND 7-16	SPEED 17-27	(KNGTS) 28-40	41+	TOTAL OBS	PCT FREQ	HEAN SPD	00 03	HDU 66 90	12 15	18 21
N NE E	4.7 4.2 3.3	5.0 1.6	.6 .1 .2	.1 .0 .0	.0		10.5 5.9 4.4	8.1 5.7 5.5	17.6 9.2 6.3	5.9 2.3 1.6	8.4 3.8 3.3	12.6 8.9 6.7
SE S Sw	5.0 5.2	1.9	•1	•0	.0		7.1 6.9 7.3	5.8 5.4 5.8	8.7 3.4 4.1	10.0	8.6 8.9	7.6 5.3 5.2
W NW Var	10.5	5.7 15.3	1.4 6.3	1.0 .0	.0 .1 .0		33.1 0	9.3 7.9 .0	31.8 0	17.7 37.9	19.7 29.8	10.5 30.4
TOT DES	1542	973	247	35	2	2799	10.8	7:4	10.6 472	8.9 844 160.0	11.0 464	12.6 919

FFBRUAR	·

PERIOD: (PRIMARY) 1690-1973 (GVER-ALL) 1655-1973

C

TARLE 4

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

FRCENTAGE	FREQUENCY	ΩF	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALH	1-3	4-10		SPEED (48+	MEAN	PCT FREQ	TOTAL
00603	10.6	18.0	49.8	16.9	3.8	٠ż	•0		100.0	472
60397	8.9	15.6	52.1	19.5	3.8	• 1	•0		100.0	944
12615	11.0	16.4	52.4	15.3	4.7	• 2	.0	7.4	100.0	464
18421	12.6	17.1	49.6	16.8	3.7	•2	•0	7.1	100.0	919
TOT	301	468	1426	489	110	5	0	7.4		2799
PCT	10.8	16.7	50.9	17.5	3.9	• 2	•0		100.0	

TABLE 5

TABLE 6

P	CT FPE			CLOUD A		(EIGHTHS)		1					CEILIN NH <5/					
NND DIS	0-2	3-4	5-7	8 & OBSCD	TCTAL CBS	MEAN CLOUD COVER	000 145	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 79 9 9	8000+	NH <5/8 ANY HGT	
N	.0	.0	1.3	6.3		7.6	•0	•0	.0	•0	3.1	1.8	.0	•0	1.3	.0	1.3	
NE	.0	.0	.0	3.6		8.0	•0	•0	1.6	•0	1.8	•0	.0	•0	•0	.0	•0	
E	.0	.0	•0	•0		•0	•0	•0	.0	•0	.0	•0	.0	-0	•0	.0	.0	
SE	1.8	. 4	.0	1.8		4.8	•0	.0	.0	.0	.0	•0	.0	• 0	•0	.0	4.0	
Š	.0	1.3	.0	•0		4.0	•0	•0	.0	•0	.0	•0	.0	•0	•0	.0	1.3	
54	.0	.0	1.0	3.6		7.6	•0	•0	.0	.0	1.8	.0	.0	•0	.0	.0	3.6	
¥	.0	3.1	8.9	12.1		6.7	•0	1.8	1.6	1.3	4.9	٠٥	.0	•0	•0	.0	14.3	
ЙЖ	.0	4.0	21.9	22.8		7.1	•0	• 0	.0	9.4	9.8	•0	1.0	3.6		.0	23.7	
VAR	.0	.0	.0	•0		•0	•0	•0	.0	.0	.0	•0	.0	•0	•0	.0	•0	
CALM	.0	.0	5.4	.0		6.3	.0	•0	.0	•0	.0	.0	. 0	•0	•0	.0	5.4	
TOY OBS	1	Š	22	źŘ	56	6.9	Ŏ	ì	2	6	12	ì	ì	ž	ĭ	ŏ	30	56
TOT PCT	1.8	8.9	39.3	50.0	100.0		٠Ŏ	1.8	3,6	10.7	21.4	1.8	1.8	3.6	1.8	•0	53.6	100.0

TABLE 7

				VSBY (NH	19			
CEILING	• OR	• OR	- OR	• OR	• OR	- CR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ DR >6500	1.8	1.8	1.5	1.8	1.8	1.8	1.8	1.8
■ DR >5000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
■ DR >3500	5.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1
■ DR >2000	7.1	1.9	1.9	8.7	8.9	8.9	1.9	1.9
■ DR >1000	16.1	25.0	30.4	30.4	30.4	30.4	30.4	30.4
■ DX >600	19.6	33.9	41.1	41.1	41.1	41.1	41.1	41.1
■ OR >300	21.4	37.5	44.6	44.6	44.6	44.6	44.6	44.6
• DR >150	21.4	37.5	40.4	46.4	46.4	46.4	46.4	46.4
• DR > 0	21.4	37.5	46.4	46.4	46.4	40.4	40.4	46.4
TOTAL			34	****			77.7	

STAL NUMBER OF DAS: SA

PCT FREQ NH <5/8: 53.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

•	1	2	3	4	5	6	7		BSCD	085
.0	5.3	21.1	12.3	14.0	7.0	14.0	5.3	21.1	•0	57

PAGE GOS

a :

FEBRUARY

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1855-1973

ĺ

TARLE A

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

ALL) 1	855-1473						TAI	afe a					
		PI	RCENT	FREQ O	PITATI	DIRE:	TION Y	AING A	URRENCE ALUES (F VIS	CN-OCC	URRENC Y	E OF
VSBY		h	NE	E	SE	S	Sa	W	NW	VAR	CALM	PCT	TOTAL GBS
<1/2	PCP NO PCP TOT %	.0	••	•0	.0 .0	•0	•0	.0	•0	.0	•0	.0	
1/2<1	PCP ND PCP TOT %	.0	.0	.0	•0	•0	•0 •0	.0	.0	.0	•0	.0	
1<2	PCP ND PCP TOT \$.0 .0	.0	••	•0 •0	•0	.n .n	.0	•0	•0	•0	.0 .0	
2<5	PCP NO PCP TOT %	.c	•0	•0	•0	•0	•0	1.6	4.8 1.6 6.5	•0	•0	6.5 3.2 9.7	
5<10	PCP NO PCP TOT %	.0 1.6 1.6	.0 1.6 1.6	•0	•0	•0	1.6 .9 1.6	6.0	4.8 5.2 10.1	.0 .0	•0	5.5 14.5 21.0	

PCP .0 3.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 3.2

10+ MD PCP 5.6 .8 .8 3.6 1.2 3.2 14.1 30.2 .0 6.5 66.1

TOT \$ 5.6 4.0 .8 3.6 1.2 3.7 14.1 30.2 .0 6.5 69.4

TOT DBS TOT PCT 7.3 5.6 .8 3.6 1.2 4.8 29.4 46.8

TABLE 9

.0 6.5 100.0

			I	PERCEN	T FREQ WITH V	OF WIS	ND DIR Value	ECTION S OF V	VS WI	ND SPE ITY	ED		
VSBY (NH)	SPD KTS	N	NE	E	SE	5	SW	¥	NW	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	
<1/2	4-10	.0	.0	•0	.1	ii	.0	.0	.0	.0	••	.2	
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	·ò	.0	• 0	.0	.0	.0	.0	.0	.0		.o	
	TOT \$.0	•0	•0	•1	.1	.0	.0	.0	.0	•0	.0	
	0-3	.0	•0	•0	.0	.0	.0	.0	.0	.0	٠0	.0	
1/2<1	4-10	.0	•0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.0	.0	•0	.0	.0		.0	
	22+	•0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT \$	•0	• 0	• 0	•0	•0	•0	•0	•0	•0	•0	.0	
	0-3	.0	•0	•0	.0	.0	.0	.0	.0	.0	•0	.0	
1<2	4-10	.2	.0	•0	•0	.1	.1	. 4	.2	.0		1.0	
	11-21	, ō	.õ	.0	.0	.õ	.ŏ	.0	, ò	.0		.0	
	22+	•0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT S	.2	•0	•0	.0	•1	•1	.4	. 2	.0	•0	1.0	
	0-3	.2	.0	•0	.0	.2	.0	.0	.0	.0	.0	.4	
2<5	4-10	.1	.4	.4	.1	.0	• 0	.3	.7	.0		1.9	
	11-21	•0	.0	• 0	٠ŏ	.0	.0	. 4	.2	. Ó			
	22+	•0	.0	•0	•0	.0	.0	.2	.4	.0		. 6	
	TOT \$.3	.4	• •	•1	.2	.0	. •	1.3	•0	•0	3,5	
	0-3	.2	.4	•1	.2	.1	.6	.6	.0	.0	.6	2.7	
5<10	4-10	1.6	.4	.5	.3	. 7	.4	1.9	1.6	.0		7.5	
	11-21	.4	•0	•0	•0	.0	.1	. 4	٠,٠	.0		1.7	
	22+	.0	.0	•0	.0	.0	۰٥	.0	.4	.0		4	
	TOT %	2.2		. 6	.5	1.0	1.1	2.8	2.8	Ö	•6	12.4	
	0-3	3.1	2.9	2.0	2.3	1.9	1.7	2.4	2.9	.0	9.3	28.6	
10+	4-10	6.3	4.3	1.7	3.1	5.0	4.2	6.2	14.0	.0		45.0	
	11-21	1.0				.0	٠.٥	2.2	6.3	ŏ		9,5	
	22+	.0	.0	•0	.0	ō	.ŏ	.0	.0	Ö		.0	
	TOT S	10.4	7.2	3.1	5.5	6.9	6.0	10.8	23.5	.0	1.3	83.0	
	TOT 085												518
	TOT PCT	13.1	8.4	4.7	6.1	1.3	7.1	14.9	27.6	۰.0	9.8	100.0	

E۱	٠	UA	v

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0001 SQUTHEAST SUMATRA 3.75 101.7E

PERCENT FREQUENCY OF CEICING MEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 2 9 9	300 599	600 999	1000 1999	2000 3499		5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	6.3	6.3	25.0	•0	•0	.0	6.3	•0	43.8	56.3	16
90380	.0	.0	5.0	15.0	15.0	•0	•0	5.0	.0	•0	40.0	60.0	20
12615	.0	.0	-0	16.7	16.7	•0	.0	8.3	.0	•0	41.7	50.3	12
18621	.0	12.5	.0	•0	37.5	12.5	12.5	.0	.0	•0	75.0	25.0	•
TOT PCT	0	1.8	3.6	10.7	12	1.8	1.8	3.6	1.8	0	26	30 53.6	56

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY POUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DB\$	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
£0300	•0	•0	•0	3.3	12.0	84.8	92	00203	•0	6.3	12.5	31.3	56.3	16
06609	.0	.0		1.0	6.6	91.0	167	90360	.0	5.0	20.0	20.0	60:0	20
12615	.0	•0	3.2	3.2	15.8	77.9	95	12615	•0	•0	33.3	8.3	58.3	12
18621	.6	.0	.6	5.5	.7.0	76.4	165	18621	•0	12.5	25.0	50.0	25.0	8
TOY PCT	.2	.0	5 1.0	18 3.5	65 12.5	430 82.9	519 100.0	TOT PCT	0	3	12	14 25-0	30 53.6	56 100-0

TARLE 13

TABLE 14

						-									INDL	E 44				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERCE	NT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SH	W	NW	VAR	CALM
85/89 80/84 75/79	.0	.0	.0	•0	9.6	5.6	.0	.0	4	11.1	2.8	.0	•0	2.8	.0	.0	4.9	.7	٠.	.0
EQ/84	.0	40	.0	•0	0	22.2	50.0	5.6	28	77.8	6.9	-0	•0	D.5	2.1	5.6		33.3		5.6
	.0	.0	•0					5.6		11.1	.0	5.6		•••		0	2.8	72.8		7.6
TOTAL	0	0	0	0	2	11	19	4	36	100.0			-							• • •
PCT	.0	.0	•0	•0	5.6	30.6	52.8	11.1			9.7	5.6	•0	6.3	2.1	5.6	28.5	36.8	.0	5.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR HAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DES 1000 88 86 85 81 76 74 72 80.9 461 8609 93 90 87 83 78 76 74 83.0 914 80.2215 89 87 85 82 78 75 73 81.9 453 82215 89 87 85 82 78 75 73 81.9 453 82215 89 87 85 82 78 75 73 81.9 453 8221 89 86 84 81 76 74 72 80.5 901

C

TABLE 16

	PERC	ENT FRE	GNENCA	OF RELA	TIVE H	ALIOINA	BA HOUS	t .
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00203 00300	.0	•0	16.7	45.5	45.5	9.1 25.0	*1 *1	11
18621	•0	•0	•0	33.3	71.4	.0	80 81	6
TOT	0	0	2	11	19	4	80	36

PASE 010

FFBRUARY

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

TCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	Ħ	WD
THP DIF	76	80	84	88	92		FQG	FOL
6	•0	•0	.0	•0	1.9	1	•0	1.9
3	.0	.0	1.9	.0	٠.٥	ī	.0	ī.9
3		•0	5.8	1.9	.0	4		7.7
1	.0	1.9	1.9	7.7	.0		•0	11.5
0	.0	.0	15.4	.0	.0	8	•0	15.4
-1	.0	3.8	13.5	.0	•0	9	•0	17.3
-2	1.9	13.5	4.6	.0	•0	73	•0	25.0
-3	.0	3.8	3.8	.0	.0	4	•0	7.7
-4	.0	5.8	٠,0	.0	•0	3	•0	5.8
-5	1.9	1.9	٠.	.0	•0	Ž	• 0	3.8
-6	.0	1.9	.0	.0	.0	1	•0	1.9
TOTAL	Ž		27		1		ò	52
		17		5		52		
PCT	3.8	32.7	51.9	9.6	1.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-30 41-48 49-60 61-70 71-86 TPCT PCT 1-3 4-10 1-3 4-10 1-3 22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 4-10 1-3 11=21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

PERIOD:	(OVE	I-ALL)	1963-1	973				FEBRUARY				AREA			ST SUMAT
				_				TABLE 18 (CONT)						75 101	,7E
					T FREG C	IF WIND	SPEED	(KTS) AND DIREC	TION Y	ERSUS S		HTS (FT)		
HGT	1-3	4-10	11-21	\$ 22 -33	34-47	48+	PCT	1=3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	•0	.0	٠٠	.0	.0	•0	.0	•0	.0	.0	.0	
1-2	.0	15.0	•0	•0	.0	•0	15.0	•0	•0	•0	+0	•0	•0	•0	
3-4	•0	•0	•0	•0	•0	• 0	.0	• C	:0	•0	•0	.0	:0	.0	
5-6 7	.0	.0	.0	•0	.0	•0	.0	•0	ĕ	•0	•0	.0	.0	.0	
8-9	.0	.0	•6	.0		••		• 6		.0	.0	•0	.0	•0	
0-11		.0	.0	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	.0	
12	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	•0	•0	•0	•0	
3-16	.0	•0	.0	•0	•0	•0	.0	•0	.0	•0	•0	10	•0	•0	
7-19	.0	.0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	٠,٥	•0	
0-22	.0	٠.	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	
3-25 6-32	.0	.0	•0	•0	•0	••	:0	.0	:0	:0	.0	:6	.0	.6	
3-40	.0	.0	•0	ě	.0	.0		.0	,õ	.0	.0	ě	ě		
1-48	ě	.ŏ	.0		.0	.0	-0	-0	.0	.0	.0	.0	.0	.0	
9-60	.0	.0	.0	.0	.0	•0	•	•0	.0	.0	•0	ن•	•0	.0	
1-70	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
1-05	.0	.0	•0	.0	.0	-0	•0	•0	•0	•0	•0	•0	•0	•0	
874 37 PCT	.0 .c	15.0	•0	•0	•0	.0	15.0	.0 •0	.0	.0	•0	•0	•0	•0	
,, ,,,	••	13.0	•0	••	••	••	1200	••	•••	••	••	•••	••	••	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3 •0	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	•0	•0	•0	.0	.0	.0	,0	.0	ö		.0	.0	.0	.0	
1-2	•		. ^							• • •			•••		
1-2	.0	.0	•0							.0	.0	• 0	.0	•0	
1-2 3-4 5-6	.0	••	•0	.0	.0	.0	.0	.0	.0	20.0	•0	•0	•0	20.0	
3-4 5-6 7	•0	.0 .0	•0	•0	.0 .1	.0 .0	••	•0	20.0	20.0	•0	.0	.5	20.0	
3-4 5-6 7 8-9	••	.0 .0	•0 •0 •0	•0	.0	.0	.0 .0	.0 .0 .0	20.0	20.0	•0	•0	.5	20.0	
3-4 5-6 7 8-9 10-11	•••••	.0	•0	••	.0 .0 .0	.0	.0 .0 .0	.0 .0 .0	20.0	20.0 .0	•0	•0	.0	20.0	
3-4 5-6 7 6-9 10-11	••••••	.0	•0	.0.0.0	•0	.0000	•0	.0 .0 .0 .0	20.0	20.0 .0 .0	•0	•0	.0	20.0	
3-4 5-6 7 8-9 10-11 12 13-16	••••••	.0	•0 •0 •0 •0	••••••			••••••	.0 .0 .0 .0	20.0	20.0 .0 .0	•0	•0	.0	20.0	
3-4 5-6 7 8-9 10-11 12 13-16	••••••	.0	•0	.0.0.0	•0	.0000	•0	.0	20.0	20.0 .0 .0	•0	•0 •0 •0		20.0	
3-4 5-6 7 6-9 10-11 12 13-16 17-19 10-22 13-25	••••••••	.00.00.00.00	.0	.0	0.0000000000000000000000000000000000000	.0.0	•0	.0	20.0	20.0	.0	.0 .0 .0 .0 .0	.00	20.0	
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	000000000000000000000000000000000000000		•0	.0	.0	.0000	.0	.0	20.0	20.0	.0	.0	.0	20.0	
3-4 5-6 7 6-9 10-11 12 13-16 17-19 20-22 23-25 24-32			000000000000000000000000000000000000000	.00000000000000000000000000000000000000			.0	.0	20.0	20.0	.0	.00000000000000000000000000000000000000		20.0	
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0		000000000000000000000000000000000000000	.00000000000000000000000000000000000000			••••••••	.0	20.0	20.0	.0	000000000000000000000000000000000000000		20.0	
3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 20-22 23-25 24-32 33-40 41-45 49-60				.00000000000000000000000000000000000000	••••••••••	.00000000000000000000000000000000000000	•••••••••	.0	20.0	20.0	.0			20.0	
3-4 5-6 7 8-9 10-11 13-16 17-19 20-22 23-25 24-32 33-40 41-45 49-60 61-70	.0		000000000000000000000000000000000000000	.00000000000000000000000000000000000000			000000000000000000000000000000000000000	.0	20.00	20.0	.0	000000000000000000000000000000000000000		20.0	
3-4 5-6 7 8-9 10-11		.00.00		.00		••••••••••••		.0	20.00	20.0	.0			20.0	80.0

	MIND	SPEED	(XTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	20.0	.0	.0	•0	.0	.0	20.0	
1-2	•0	40.0	٠Ò	•0	.0	.0	40.0	
3-4	.0	.0	.0	.0	.0		.0	
5-6	•0	•0	20.0	.0	.0	.0	20.0	
7	•0	20.0	.0		.0	.0	20.0	
8-9	·ŏ		.ŏ			.õ		
10-11	.0	.0	.0	.0	.0	.0	.0	
12	•0	.0	.0		.0	.0	.0	
13-16	.0	.0	.0		.0	.0	.0	
17-19	.0	.0	.0		.0	.0	.0	
20-22	.0	.0	.ò	, ñ	.0	.0	.0	
23-25	.0	.0	.0			.0	.0	
24-32	•0	•0	.0	.0	.0	.0	.0	
33-40	.0	•0	.0			.0	.0	
41-48	.0	.0	.0			.0	.0	
49-40					.0	.0	.0	
61-70	•0	•0	.0	•0	.0	.0	.0	
71-86	.0	.0	.0				.0	
874	.0		.0				·ŏ	_
TOT PET	20.0	60.0	20.0	.0	.0	.0	100.0	5

PERIO	ינטי ינ	ER-ALL	1 194	9-1973)				TABLE	19											
					PFRCEN	T FRE	QUENCY	OF WA	VE HEIG	BHT (FI	r) VS 1	MAVE PI	ERIOD	(SECONI	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1.1	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-40	61-70	71-86	87+	TOTAL	MEAN
₹6.7	2.0	11:8	11.0	11.8	3:3	.0	.0	.0	.0	:0	.0	:0	.0	ړ.	.0	:8	:0	.0	:0	16 24	3
8-9	•0	•0	5.9	2.0	3.9	•0	• • •	•0	•0	.0	.0	•0	•0	•0	•0	.0	.0	.0	.0	1	5
10-11 12-13	•0	.0	.0	.0	•0	.0	•0	2.0	•0	.0	.0	•0	•0	•0	•0	.0	.0	.0	.0	0	11
>13 INDE _T TOTAL	ö	:0	3.9	2.0	.5	•0	• • •	•		.0	ě	•0	•0	.0	.0	.;	.0		.0	j 51	
IDIAL	. 1	_ 11	22	10		0	. 0			Ž				0		ž	0			100.0	•

PAGE 012

0 Ð

PERCENT	FREQUENCY OF	WEATHER	DCCURRENCE	BY WIND	DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	KENA	
HND CIR	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTMG	FOG WB PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS' BLWG SNOW	
N	8.3	.0	.0	.0	.0	.0	.0	4.3	•0	.0	-0	.0	•0	•0	91.7
NE	10.0	.0	.0	.0	.0		.0	19.0	•0	.0	•0	.0	•0	•0	90.0
E	.0	.0	.0	.ō	.č		.0	.0	.0	.0	.0	.0	.0	.0	100.0
ŠE	.0	.o	.0	.0	.0		•0	.0	.0	1.5	.0	.0	.0	•0	98.5
š	.0	.0	.0	.0	.0		.0	.0	.0	20.0	.0	.0	•0	.0	80.0
Šh	.0	.0	.ŏ		.0		. č	.ŏ	11.8	11.8	•0	.0	.0		76.5
W	.0	.0	.0	.0	.0		.0	.0	6.0	6.0	.0	.0	•0		88.1
Ñw	2.6	4.8	.ŏ	.ŏ	.0		•0	14.5	9.6	4.8	.0	iŏ	•0		71.1
VÄR		7.0	.0				.č		.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	•0		•0	•0	.0	20.0	.0	.0	•0		80.0
TOT PCT	3.3	1.1	.0	.0	•0	•0	•0	4.4	4.4	6.7	•0	•0	•0	•0	84.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GHT)	RAIN	RAIN SHUR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PÇPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLMG DUST BLMG SNOW	
00603 06609 12615 18621	10.0 .0 .0 3.8	3.4 3.8	.0	.0	.0	.0 .0	.0	10.0 3.4 .0 7.7	5.0 .0 5.6 7.7	23.1	.0 .0 .0	.0 .0	.0 .0	.0 .0 .0	95.0 96.6 94.4 61.5
TOT PCT	3.2	2.2	.0	.0	•0	•0	-0	5.4	4,3	6.5	•0	•0	•0	•0	83.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		win	O SPEI	ED (KN	375)								HOUR	(GHT)			
WND DIR	0-3				34-47	48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.6	7.1 3.9 4.4	1.7	•2	•0	.0		10.8 6.0 6.2	7.4 5.8 6.1	16.8 8.7 9.1	100.0	11.1 2.4 4.0	3.6 1.4 2.7	6.7 5.1 4.5	20.0	12.9 10.0 7.8	13.4 9.0 9.2
SF S	2.1	7.2 4.1	1.2	:	•0	.0		10.6	5.0	10.8	•0	11.5	10.7	11.1	10.0	10.4	10.7 5.7
SW W Nu	1.6	4.0 7.5 17.3	2.0	.1 .4 1.4	•0	•0		0.4 11.8 31.5	6.4 8.1 9.7	3.8 8.2 29.8	•0	9.9	12.0 20.2 33.1	7.9 15.8 30.5	.0 20.0	5,2 9,3 27,4	4.1 7.9 30.5
VAR CALM	• •	•0	.0	•0	.ŏ	:0		9.9	.0	•0	•0	11.8	7.5	10.7	.0	10.6	• D
TOT DBS	25.3	1778	547 17.1	70 2.2	.1	.0	3208	100.0	7.0	537 100.0	100.0	553 100.0	534 100.0	100.0	100.0	521 100.0	541 100.0

TABLE 3A

WND DIR	0-0	WIND 7-16	SPEED 17-27		41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	H0UI 06 09	(GHT) 12 15	18 21
N	6.0	4.2	.6		.0		19.8	7.4	16.9	7.4	6.3	13.1
NE	4.2	1.8	•1	.0	٠٠		6.0	5.8	1,6	1.9	5.1	9.5
Ę	4.1	2.0	.1	.0	.0		6.2	6.1	9.1	3.4	4.6	8.5
ŠE	6.5	3.6	. 3	iŏ	•0		10.6	6.6	10.8	10.2	11.1	10.6
\$	4.5	2.0	•2	.0	.0		6.6	6. 0	3.1	8.3	7.9	6.1
Sw	4.3	1.8	.2		.0		6.4	6.4	3.1	1.1	7.9	4.6
ű"	5.7	5.1	.,	•1	.0		11.8	8.1	4.2	14.9	15.6	8.6
ÑW	11.1	15.8	4.3	ä	.0		31.5	9.7	29.8	35.4	30.4	29.0
/AR	.0	•0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.9			•••			9.9	.0	9.7	9.7	10.6	10.0
TOT DAS	1803	1174	214	17	0	3208	- • •	7.0	538	1087	521	1002
TOT BET	44.3	34.4	A.7				100.0			100.0		

44	RC	H

PERIODI	(PRIMARY)	1889-1965
	(DVER-ALL)	1859-1965

TARLE 4

AREA 0001 SQUTHEAST SUMATRA 3.75 101.6E

PERCENTAGE	FREQUENCY	CF	WIND	SPEED	BY	HUUS	(GPT)	

HOUR	CALH	1-3	4-10		SPEED (XNPTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
00603 06609 12615	9.7	17.1 16.4 14.0	53.5 54.6 55.5	17.5 17.4 17.5	2.2	:0	:0	7.0	100.0	538 1087
18621 TOT	10.6	14.1	57.2 1778	16.3	2.3 2.4 70	.2 .1 2	•0		100.0	521 1062 3208
PCT	9.9	15.4	55.4	17.1	2.2	. 1	.0		100.0	

TABLE 5

							'ABLE O											
	PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN							PERCENTAGE FREQUENCY OF CEILING MEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY MIND DIRECTION										
WND DI	0-2	3-4	5-7	e C OBSCD	TCTAL FBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	0000+	NH €5/8 ANY HGT	
N	.0	.0	7.9	•0		7.0	•0	•0	.0	.0	•0	•0	.0	.0	•0	.0	7.9	
NE	•0	.0	•0	2.6		8.0	•0	•0	.0	.0	2.6	•0	.0	•0	•0	.5	•0	
E	.0	2.0	•0	•0		4.7	•0	•0	.0	.0		•0		•0	•0	.0	2.0	
ŠĒ	5.3	3.3	13.2	.0		4.4	•0	•0	ō	.0	2.6	.0			ĕ	٥٥	19.1	
5	٠.٥	.0	5.3	•0		6.0	•0	.0	.0	•0	2.6	•0	.0	•0	•0	•0	2.6	
SW	.0	5.3	•0	5.3		6.0	•0	• 0	2.6	•0	2.6	• • • •		•0	•0	• 5	5.3	
¥	.0	.0	4.6	2.6		6.0	•0	• 2	.0	•0	2.6	• 5	.č		•0		4.6	
Na	•0	•0	13.8	18.4		7.2	•0	• •	2.6	5.3	10.5	5.3	č	2.6	• • • •		5.9	
VAR	.0	.0	.0	• 0		•0	•0	.0	.0	•0	•0	•0	.õ	•0	•0	.ŏ	•0	
CALM	.0	5.3	5.3	•0		9.0	. 5		.0	.0	2.6	.0	.ŏ	•0	•0	.5	7.9	
TOT DES		6	19	11	38	6.0	ő	ໍາ	·ž	• ;	10	• • •	• 6	• • • •	•0	• 0	21	30
TOT PC		15.8	50.0		100.0		٠ŏ	•6	5,3	5.3	26.3	5.3	•0	2.6	•0	•0	55.3	100.0

TARLE 7

CUMULATIVE PCT FREQ DF SIMULTANEOUS OCCURRENCE DF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	● DR	- CR	- UR	■ mŘ	- DR	- JR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
- OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >5000	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
 DR >3500 	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
■ GR >2000	2.6	7.9	7.9	7.9	7.9	7.9	7.9	7.9
■ DR >1000	23.7	34.2	34.2	34.2	34.2	34.2	34.2	34.2
■ DR >600	26.3	36.8	39.5	39.5	39.5	39.5	39.5	39.5
■ DR >300	26.3	36.8	44.7	44.7	44.7	44.7	44.7	44.7
■ DR >150	26.3	36.8	44.7	44.7	44.7	44.7	44.7	44.7
. DR > 0	26.3	36.8	44.7	44.7	44.7	44.7	44.7	44.7
TOTAL	10	14	17	17	17	17	17	17

TOTAL NUMBER OF DBS: 38

PCT FREQ NH <5/81 55.3

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 4 6 7 8 OBSCD OBS 2.3 2.3 20.5 15.9 20.5 6.8 11.4 2.3 18.2 .0 44

PAGE 014

PERIODI	(PRIMARY)	1889-1965
	INVERMALL	1860-1945

•		 •
	0	 •

AREA 0001 SQUTHEAST SUMATRA 3.75 101.6E

					IPITAT								
VSBY (NM)		N	Nć	E	SE	S	Sw	W	NW	VAR	CALH	PCT	TOTAL
	PCP	.0	.0	•0	•0	•0	•0	.0	•0	.0	.0	.0	
<1/2	NO PCP	.0	.0	٠.	•0	• 0	•0	.0	• 0	.0	•0	.0	
	TOT \$.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
	PCP	٠.c	.0	•0	•0	•0	•0	.0	•0	.0	•0	.0	
1/2<1		.0	.0	•0	•0	•0	• 0	.0	•0	.0	•0	.0	
	TOT %	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	
	PCP	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	• 0	•0	.0	.0	.0	•0	.0	
	TOT \$.0	.0	.0	.0	•0	•0	.0	•0	.0	•0		
	PCP	.0	.0	•0	•0	•0	•0	.0	1.1	•0	•0	1.1	
2<5	NO PCP	.0	.0	•0	.3	1.9	1.1	.0	1.1	.0	•0	4.4	
	TOT %	•0	.0	•0	.3	1.9	1.1	.0	2.2	.0	.0		
	PCP	.6	.6	.0	•0	•0	•0	.0	1.1	.0	•0	2.2	
5<10	NO PCP	.6	1.7	.6	6.1	5.0	3.3	7.2	8.9	•0	•0		
	TOT \$	1.1	2.2	•6	6.1	5.0	3.3	7.2	10.0	•0	•0	35,6	
	PCP	.0	.0	.0	•0	•0	•0	.0	1.1	.0	•0	1.1	
10+	NO PCP	5.6	3.3	1.9	12.5	2.8	5.0	11.4	9.7	.0	5.0		
	TOT \$	5.6	3.3	1.9	12.5	2.8	5.0	11.4	10.8	•0	5.6	58,9	
	TOT DBS												90
	TOT PCT	6.7	5.6	2.5	18.9	9.7	9.4	18.6	23.1	.0	5.A	100.0	

TABLE 9

			ı						VS WI		£D		
VSBY (NM)	SPD	N	NE	E	SE	S	5 W	W	NW	VAR	CALH	PCT	TOTAL OBS
	۰	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4 .0	. 2	.0	• 0	.0	.0	.0	.0	.0	.0		.2	
	1 .	.0	•0	•0	•0	.0	.0	.0	.0	.0		.0	
	27-	.0	•0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	• 2	.0	•0	•0	•0	.0	•0	•0	.0	•0	.2	
	0-3	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	•0	•0	•0	.0	.0	.0	.0	.0		.0	
	11-21	.0	٠0	•0	•0	.0	.0	.0	.0	.0		, ò	
	22+	•0	•0	•0	٠0	.0	.0	.0	.0	.0		.0	
	TOT \$	•0	•0	•0	•0	•0	•0	•0	.0	.0	.0	.0	
	0-3	•0	•0	•0	•0	.0	.0	.0	•0	.0	.0	•0	
1<2	4-10	. 3	•0	•0	•0	•0	.2	• 2	.4	.0		1.0	
	11-21	.0	.0	•0	.0	•0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	•0	•0	•0	•0	.2	.2	.4	•0	•0	1.0	
	0-3	•0	•0	•0	.0	.2	.0	-1	-1	•0	.2	.5	
2<5	4-10	.7	• 3	+2	•0	•0	• 2	• •	1.0	•0		2.8	
	11-21	•0	•0	•0		•1	•0	•1	.4	.0		.7	
	22+	•0	•0	•0	•0	•0	.0	•0	•0	.0		.0	
	TOT %	.7	.3	.2	•	.3	•2	.6	1.6	.0	•2	4.0	
	0-3	.3	•1	:1	-1	.2	-1	.2	1.0	.0	1.0	3.3	
5<10		1.1	.3		1.1	. 8	. 8	1.3	2.8	.0		8.4	
	11-21	•0	.2	•0	•0	•0	.0	.2	.7	.0		1.0	
	22+	0	•0	•0	•0	•0	•0	• 2	•0	.0		.2	
	TOT \$	1.5	.6	.3	1.2	.9	.9	1.8	4.5	.0	1.0	12.8	
	0-3	2.2	1.6	2.0	1.4	1.6	1.6	2-1	3-1	•0	6.7	22.2	
10+	4-10	7.2	4.1	2.7	4.5	2.0	3.4	7.3	18.6	.0		50.0	
	11-21	1.6	•0	•0	.2	.0	.0		5.8	.0		8,4	
	22+	•	0	. • 0	.0	.0	•0	3	7	.0		1.4	
	TOT #	11.5	5.7	4.7	6.1	3.6	4.9	10.5	28.4	•0	6.7	02.1	
	TOT DBS TOT FCT	14.1	4.6	3.2	7.3	4,9	4.1	13.1	34.9	•0	7.9	100,0	580

MARCH

PERIOD: (PRIMARY) 1889-1965 (OVER-ALL) 1859-1965

TABLE 10

AREA 0001 SQUTHEAST SUMATRA 3.75 101.66

PERCENT	FREQUENCY OF	CELLING	HEIGHTS	(FEET, NH	>4/8}	AND
	OCCURRE	ICE OF N	H <5/8 BY	HOUR		

HOUR (GHT)	000 149	150 299	300 599						6500 7999		TOTAL	NH <5/8 ANY HGT	
00603	.0	•0	6.7	6.7	20.0	6.7	.0	6.7	.0	•0	46.7	53.3	15
90360	.0	.0	•0	•0	9.1	.0	.0	.0	.0	•0	9.1	90.9	11
12615	.0	•0	•0	•0	44.4	11.1	•0	•0	.0	•0	55.6	44.4	9
18621	.0	•0	11.1	11.1	22.2	•0	.0	.0	.0	•0	44.4	55.6	9
/OT	0	0	2	2	10	2 4.5	0	2.3	0	0	17	27 61.4	100.0

TABLE 11

TABLE 12

PERCENT FREQUENCY VSBY (NM) BY HOUR						CUMULAT					VSBY (NM) 1/BY HOUR			
HOUR (GHT)	<1/2	1/2<1	142	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 < 1	<1000 <5	1000+ AND5+	NH <5/6 AND 5+	TOTAL DGS
00603	1.0	•0	1.0	6.8	10.7	80.6	103	00603	•0	7.7	15.4	38.5	46.2	13
90360	.0	.0	1.0	.5	8.9	89.5	191	90360	•0	٠0	.0	11.1	88.9	9
12615	•0	.0	.0	3.2	12.9	83.9	93	12615	•0	2	11.1	55.6	33.3	9
18621	.0	.0	1.5	6.1	18.4	74.0	196	18621	•0	14.3	25.6	28.6	42.7	7
TOT PCT	1 • 2	.0	6 1.0	23 3.9	76 13.0	47; 81.8	583 100.0	TOT PCT	•0	2 5.3	13.2	13 34.2	20 52.6	38 100.0

TARLE 13												TABL	E 14							
PERCENT FREGUENCY OF RELATIVE HUMIDITY BY TEMP								PERCENT FREQUENCY OF WING DIRECTION BY TEMP												
TEMP F	0-29	30-39	40-49	50-59	60-67	70-79	80-89	90-100	TOTAL	PCT FREQ	N	NE	E	SE	s	SW	×	NW	VAR	CALM
85/89	.0			•0				.0		6.7	.0	.0	.0	3.3	1.7	1.7	.0	13.3	.0	.0
80/81	.0	.0	•0	•0	• •0	20.0	46.7	10.0	23	76.7	.0	3.3	5	21.7	7.5	.1.7	16.7	13.3	•0	.0
75/79 TOTAL	.0	.0	.0	•0	• • 0	.0	13.3	3.3	5	16.7	1.7	1.7	.0	.0	.0	3.3	3.3	6.7	•0	.0
TOTAL	Ö	Ō					19	4		100.0										
864	•	•				22.2	42.3	11.1					2 6	26.0	9 2	14.7	30 0	20.0		Δ.

	TABLE 15													TABLE	16			
	MEAN 3,	EXTREM	ES AND	PERCEN	TILES	OF TE	4P (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	JMIDITY	BY HOUF	R
HOUR (GMT)	HAX	99%	95%	50%	5%	1%	HIN	MEAN	TOTAL OBS	HOUR (GHT)	0=29	30-59	60-69	70-79		90-100	HEAN	TOTAL DBS
60300 90360	89 92	88 90	85 88	81 83	77 79	74 76	73 73	81.2	513 1040	E0300 9 0360	.0	•0	:0	10.0	80.0 55.6	10.0	86 81	10
12615	90 87	87 86	86 84	82 81	78 77	75 75	70 72	82.3	504 1030	12615 18621	•0	•0	•0	40.0	20.0 75.0	40.0	83 84	5 8
TOT	92	88	86	82	77	75	70	82.0	3087	TOT	ő	ő	ŏ	8	20	4	83	32

PAGE 016

 \mathbf{G}

0 J PERIOD: (PRIMARY) 1889-1965 (OVER-ALL) 1859-1965

TABLE 17

AREA 0001 SOUTHEAST SUMATRA 3.75 101.6E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE DECURRENCE OF FOO (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (Daw F)

AIR-SEA	73	77	81	85	737		mЭ
THP DIF	76	80	84	86		FOG	FOG
5	.0	.0	1.1	1.1	2	٠.	2,2
3	.0	-0	٠.	2.2	2	.0	2.2
2	.0	.0	.0	3.4	3	. 0	3,4
	.0	.0	2.2	.0	2	.0	2.2
٥	.0	•0	23.0	2.2	23	.0	25.8
-1	.0	• 0	12.4	1.:	12	.0	13.5
-2	.0	3.4		•0	25	.0	28.1
10.423.45	.0	1.1	1.1	.0	2	.0	2.2
-4	.0	3.4	7.9	.0	10	.0	11.2
-5	.5	5.6	.0	.0	5	. ŏ	5.6
-6	1.1	2.2	.0	.0	3	.0	3.4
TOTAL	1		65			٥	89
		14		9	89		
PCT	1.1	15.7	73.0	10.1	100.0		100.0

PERIOD: (QVER-ALL) 1963-1965

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 HGT
<1
1-2
3-4
5-0
7
8-9
10-11
12
.3-16
17-19
20-22
23-25
26-33
40
41-48
49-00
61-70
71-86
87+
FGT PET 34-47 11-21 MGT
<1
1-2
3-4
5-6
7
6-9
10-11
12
13-16
17-19
20-22
33-40
41-48
49-60
61-70
71-86
67-7 1-3 4-10 34-47 1-3 11-21 34-47

	10.2 1017	MARCH	SOUTHEAST SUMAT' .
PERIOD: (OVER-ALL)	1493-1403		3.75 101.6E

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				PC	T FREO	DF WIND	SPEED	(KTS) AND	DIREC	TION V	ERSUS S	EN HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	SW 22-33	34-47	48+	PCT	
	٠.٥	.0		.0	.0	.0	.0		.5	.0	.0	.0	•0	.0	.0	
1-2	.0	.0	.0	.0	.0	•0	.0		.0	33.3	.0	.0	•0	.0	33.3	
3-4	ŏ	.0	•0	.0	,0	•0	•0		.0	.0	.0	.0	•0	.0	• 0	
5=6	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
7	.0	.0	•0	•0	•0	•0	•0		.0	•0	•0	•0	•0	.0	•0	
8-9	.0	.0	•0	.0	.0	•0	.0		•0	•0	.0	.0	•0	•0	•0	
10-11	.0	.0	•0	.0	.0	•0	•0		•0	.0	•0	•0	•0	.0	•0	
12	.0	•0	•0	•0	•0	•0	• 0		•0	•0	•0	.0	•0	•0	•0	
13-16	•0	.0	•0	• 0	.0	•0	•0		•0	•0	٠,٥	•0	•0	.0	•0	
17-19	.0	•0	•0	.0	.0	•0	•0		•0	.0	•0	•0	•0	.0	•0	
20-22	.0	•0	•0	•0	•0	•0	•0		•0	.0	•0	•0	•0	.0	.0	
23-25	.0	•0	•0	• 0	• 0	•0	.0		•0	.0	.0	.0	•0	ě	:0	
26-32 33-40	.0	.0	•0	.0	.0	:0	.0		.0	٠٥	.0	:0	.0	ě		
41-48	.0	.0	•0	.0	.0		•0		ŏ	ŏ	.0	.ŏ	.0	ö		
49-60	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	ö		
61-70		.ŏ	.0	.ö	.0	.0	.0		ő	.0	.ŏ	.0	.0	.0	.0	
71-86	ě		.0	.0	.ŏ		ŏ		.0	.0	.0	.0	.0	.o	.0	
87+	.0	.ŏ	.0		ě		.0		.0	.0	.0	.0	•0	.6	.0	
TOT PCT	.0	.ŏ	.0	.ŏ	.0	.0	.0		.0	33.3	.0	.0	.0	.0	33.3	
101 / 61	••	•••	•••	•••	• •	• • •	• •		•			• • •				
				¥								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48.	PCT	PCT
<1	.0	.0	•0	•0	.0	•0	.0		•0	.0	.0	•0	•0	.0	.0	
1-2	.0	.0	•0	٠.	.0	.0	.0		•0	•0		•0	•0	.0	0	
3-4	.0	.0	•0	•0	.0	•0	•0		•0	.0	33.3 33.3	•0	•0	.0	33.3	
5-6	٠.	.0	•0	•0	•0	•0	•0		0.	.0	•0	.0	.0	.0	.0	
.7	.0	.0	•0	.0	.0	• 0	•0		.0	.0	.0	.0	.5		.0	
8-9 10-11	.0	.0	•0	•0	.0	.0	•0		ŏ		.0	.0		.0	·ŏ	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	ě	.0	
13-16	.0	.0	•0	.0	.0	.ŏ	.0		.0	.0	.0		ŏ	.0	.ŏ	
17-19	:0	.0	•0	.0		.0	.0		.0	.0	.0		.0	.0	•0	
20-22	.0		.0	.0	.0	.ŏ	.0		.0	.0	.0	.0	.0	.0	•0	
23-25		.ŏ	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0		ŏ	.0	.0	·ò	.0		.0	.0	.0	.0	.0	.5	.0	
33-40	٥		•0	•0	.0	•0	•0		.0	.0	•0	.0	•0	.0	.0	
41-48	.0			.0	.0	.0	.0		.0	•0	•0	.0	•0	.0	•0	
49-60	.õ	.0	.0	.0	.0	•0	•0		.0	•0	.0	•0	•0	.0	•0	
61-70	.0	.0	.0	• 0	.0	٠٥	.0		.0	.0	.0	.0	•0	.0	.0	
71-86	.0	.0	•0	•0	•0	.0	.0		.0	•0	.0	.0	•0	.0	.0	
87+	.0	.0	.0		.0	•0	• 0		.0	.0	.0	.0	•0	.0	.0	
TOT PCT	.0	.0	.0	•0	.0	•0	• 0		.0	.0	66.7	•0	•0	.0	66.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
c 1	•c	.0	.0	.0	.0	•0	.0	083
1-2	•0	33.3	-0	.0	.0	•0	33.3	
3-4	.0	•0	33.3	.0	.0	.0	33.3	
5-6	.0	•0	33.3	.0	.0	.0	33.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	•0	•0	.0	.0	.0	•0	•0	
10-11	.0	•0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	•0	.0	.0	.0	.0	.0	
20-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	•0	.0	.0	.0	.0	•0	
41-48	.0	•0	.0	.0	.0	.0	.0	
49-60	.0	.0	٠.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0		.0	.0	
87+	.0	•0	.0	.0	•0	.0	.0	
								3
TOT PCT	.0	33.3	66.7	.0	•0	.0	100.0	

PERIOD: (GVER-ALL) 1949-1965 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

7 8-9 10-11 12 13-10 17-19 20-22 23-25 26-32 33-40 41-4

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8_9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-46	51-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	25.8	16.1	.0	۰.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	13	2
6-7	.0	3.2	16.1	3.2	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
8-9	•0	•0	.0	6.5	.0	.0	•0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	٠.	2	5
10-11	•0	•0	3.2	3.2	.0	.0	•0	•0	.0	.0	:0	•0	.0	.0	•0	.0	.0	.0	.0	2	4
12-13	.0	.0	.0	.0	.0	.0	٠.	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	٥	
>13	•0	•0	.0	.0	.0	•0	•0	.0	.0	.0	.0	•0	.0	.0	•0	.0	٠,٠	• 0	.0	0	
INDET	9.7	•0	3.2	6.5	.0	•0		•0	•0	•0	:0	• 0	.0	.0	•0	-0		.0	.0	6	2
TOTAL	3	·	12	6	ì	ŏ	ŏ	Ŏ	Ó	. 0	0	Ō	Ó	Ō	Ö	0	. 0	٥	0	31	3
PCT	9.7	29.0	38.7	19.4	3.2	•0	•0	•0	•0	•0	.0	•0	•0	•0	۰0	.0	• 0	.0	.0	100.0	

PAGE 018

O

0

c c

1

TABLE 1

AREA 0001 SOUTHEAST SUMATRA 3.65 101.6E IRECTION

PERCENT	FREQUENCY	OF	WEATHER	OCCURRENCE	BY	MIND	DIRECTION

			•	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	PRZG PCÝN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FUG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUS BLWG SND	
N.	.0	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	100.0
NE	16.0	16.0	.0	•0	•0	.0	.0	32.0	•0	.0	.0	.0	•0	.0	68.0
E	.0	.0	.0	.0	•0	.0		•0	.0	15.7	.0	.0	• 0	.0	84.3
ŠE	.0	.0	.0	.0	•0	.0	.0	.0	.0	6.1	•0	.0	•0	.0	93.9
Š	.0	11.1	.0	.0	•0	.0	•0	11.1	•0	.0	•0	.0	• 0	.0	88.9
Sw	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	100.0
N .	17.4	8.7	.0	.0	.0		.0	26.1	.0	.0	.0	.0	•0	•0	73.9
Ñw		12.1	24.2	.0	• 0		.0	36.4	•0	.0	• 0	.0	•0		63.6
VAR	.0	.0	.0	.0	•0		•0	•0	.0	.0	•0	.0	•0		.0
CALH	.0	.0	.ŏ	.0	.0	.0	.0	.0	.0	.0	.0	,0	•0		100,0
TOT PCT	3.8 78	5.1	2.6	•0	•0	•0	•0	11.5	• 0	3.4	•0	•0	•0	•0	84.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPS	*****	4 7405					OTHER	WEATHER		MENA	
			•	MEC IF I		1 1175					UINEK				
HOUR (GMT)	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT CS TIME	PCPN PAST Hour	THOR LING	FBG WD PCPN	FOG WO PCPN Past Hr		SPRAY BLWG DUST BLWG SNQA	
00603 06609 12615 18621	11.8 3.7 .0	5.9 3.7 .0 11.1	11.6 .0 .0	.0	•0	.0	.0 .0	29.4 7.4 .0 11.1	•0	.0 5.9 11.1	••	•0	•0		70.6 92.6 94.1 77.8
TOT PCT	3.8	5.1	2.5	•0	•0	•0	•0	11.4	•0	3.8	•0	•0	•0	•0	84.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					-													
WND DIR	0-3			ED (KN) 22-33		45+	TOTAL OBS	PCT FREQ	MEAN SPD	00	C3	06	HDUR 09	(GHT) 12	15	18	21	
N	2.0	7.2	1.9	.1	.0	•0		11.2	7.3	15.6	•0	10.3	5.2	7.0	7.1	13.2	16.0	
NE	1.4	3.9	.2	. 1	.0	.0		5.6	5.7	10.2	.0	3,4	.7	3.6	.0	7.5	8.3	
F	1.8	5.0	. 4			.0		7.1	5.6	11.9			1.6	5.1	14.3	8.1	10.5	
še	2.4	10.5	1.9			•0		14.9	6.9		100.0		10.5		42.9	15.3	15.6	
•	2.6	5.5	ý		.0	.0		8.9	5.9	3.5	.0		16.2			10.4	4.9	
Šw			.;		·ŏ	.0		6.2	5.6	2.1	• • •		13.0		14.3	5.5		
	1.8	4.1																
¥	1.9	7.1	1.7			•0		10.8	7.3	6.1					14.3	8,8		
Nw	3.4	14.2	5.7	• • 7	•	•0		24.1	8.5	21.8	•0	27.6	28.2	25.1	7.1	19.1	22.8	
VAR	.0	.0	.0	.0	•0	.0		.0	•0	.0	.0	.0	.0	•0	.0	.0	•0	
CALM	11.3							11.3	•0	9.9	• 0	15.0	5.4	11.5	.0	12.2	12.8	
TOT CBS	176	1755	396	31	2	٥	3060	-	6.3	494	i	519	517	514	7	501		
TOT BCT	28.4	57.4	12.9		4.1	•	-	100.0		100-0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PLT FREQ	MEAN SPD	00	HBUI 06 09	12 12 15	18 21
H	6.2	4.2	.7	•	.0		11.2	7.3	15.6	7.8	7.0	14.6
NE	4.0	1.4	.1		٠0		5.6	5.7	10.2	2.1	3.7	7.9
₹ .	5.1	2.0		•0	.0		7.1	5.6	11.9	3.8	5.2	9.3
36	8.6	5.6	.6	, 0	.0		14.9	6.9	18.9	12.7	14.3	15.4
\$	6.0	2.7	.2	.0			8.9	5.9	3.5	11.6	11.0	7.7
			•					5.6	2.1	9.2	8.2	4.i
SW	4.3	1.9	-	•0	••		6.2					
W	5.9	4.3	.5	•	•		10.8	7.3	6.1	14.2	14.3	7.6
NW	10.6	11.2	2.1	.1			24.1	8.5	21.5	27.9	24.9	20.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	٠.0	•0
CALH	11.3		• • •	• •			11,3	.0	9.9	10.7	11.3	12.5
TOT DES	1902	1019	131	7	1	3060		6.3	495	1036	521	1008
TOT BET	43.3	22.2	4.3		- :		100.0				100.0	

	٠	1

PERIOD: (PRIMARY) 1893-1967 (OVER-ALL) 1855-1967

TABLE 4

AREA 0001 SOUTHEAST SUMATRA 3.65 101.6E

PERCENTAGE	PREQUENCY	OF	MIND	SPEED	BY	MINHE	/CHT1	

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNDTS) 34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603 05609 12615 18621 TOT PCT	9.9 10.7 11.3 12.5 345	16.0 17.7 18.8 17.0 531	61.2 57.1 53.9 57.4 1755	12.7 13.4 14.4 11.8 396	1.0 1.5 1.2	.0 .1 .0 .1 2	•0	6.4	100.0 100.0 100.0 100.0	495 1036 521 1008 3060
PC:	11.3	17.4	57.4	12.9	1.0	.1	.0		100.0	

TABLE 5

_

			•									T,	KILE 6					
•	CT FRE			CLOUD /	AMOUNT ((EIGHTHS)		1	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	TANH))4/8}	
WND DIR	0-2	3-4	5-7	8 6 085CD	TOTAL	HEAN CLOUD CDV2R	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499				
N NE	•0	1.4	4.7	•0		5.7	•0	•0	•0	•0	1.4	•0	1.9	•0	•0	•0		
NE E	1.9	5	2.8	2.8		6.8	•0	• 0	.0	•0	1.9	.9	.0	•0	•0	•0	2.8 3.3	
ŠE		3.3	3.8	4.7		5.6	•0	•0	•0	.0	1.9	2.8	. 0	•0	•0	ě	9.0	
Š	0	2.4	12.7	3.8		6.5	•0	•0	.0	.0	.0	1.9	. 5	•0	• 0	.0	16.5	
	3.3	1.9	5.2	1.9		4.4	•0	•0	.0	.0	1.9	.0	1.4	•0	•0	ě	9.0	
SH	. • 5	.0	2.4	_•0		5.1	•0	•0	.0	.0	.0	•0	.0	•0		.0	2.8	
W	1.4	.0	10.0	7.1		6.7	•0	•0	.0	•0	5.7	3.8	1.4	•0	•0		8.5	
NW	. 5	.0	8.5	2.4		6.7	•0	•0	.0	1.9	2.4	•0	2.4	.0		•0		
VAR	.0	.0	.0	•0		•0	•0	•0	.0	.0		.0		•0	•0	•0	4.7	
CALM	1.9	3,4	1.9	1.9		4.4	•0	•0	.0	•0					•0	•0	_•0	
TOT DES	5	7	28	13	53	5.9	ŏ	ŏ	• 0	• • •	.0	•0	9	•0	•0	•0	7.5	
TOT PCT	9.4	13.2	52.8	24.5	100.0			Ÿ	ž			. ?		0	۰	0	34	55

TABLE 7

CUMULATIVE	PCT	FREQ	0F	SIMULTANEOUS	DCCURRENCE
OF CFILT	46 P	TCHT	744	SAZAL AND W	

				VSBY (N)	13			
CEILING	• GR	• DR	→ DR	• DR	• DR	• OR	• GR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
• DR >6500	.0	•0	.0	.0	.0	.0	.0	.0
 DR >5000 	.0	.0	•0	.0	.0			
OR >3500	9.3	9.2	9.3	9.3	9.3	9.3	9.3	9.3
 DR >2000 	11.1	16.7	15.7	10.5	18.5	18.5	18.5	
OR >1000	20.4	29.6	29.6	33.3	33.3	33.3	33.3	18.5
■ DR >600	20.4	31.5	31.5	35.2	35.2	35.2	35.2	
■ DR >300	20.4	31.5	31.5	35.2	35.2	35,2	35.2	35.2
■ DR >150	20.4	31.5	31.5	35.2	35.2	35.2		35.2
- OR > 0	20.4	31.5	31.5	35.2	35.2	35.2	35.2 35.2	35.2
TOTAL	11		17	7718	7710	37:2	37.2	35.2

TOTAL NUMBER OF DESE 54

PCT FREQ NH <5/81 64.8

TABLE 7A

PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSC TOTAL OBS.
.0 16-1 25-0 12-5 12-5 7-1 8-9 8-9 8-9 0 56

PAGE 020

€ €

9

023-170.						•						
	P	ERCENT	FREQ PREC	OF WIN	D DIREC	TION TH VAR	VS BCC YING V	URRENCI ALUES (E OR N	IDN-OCC	URRENC TY	E OF
	N	NÉ	E	SE	\$	Sw	W	NW	VAR	CALM	PCT	TOTAL DBS
PCP	.0	.0	.0	•0	•0	•0	.0	•0	•0	•0		
NO PCP	.0	.0	•0	•0	•0	•0				•0		
TOT %	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0	.0	
ND PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0		
TOT \$.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	•0	
PCP	.0	.0	.0	•0	1.3	•0	1.3	•0	.0	•0	2.6	
NO PCP	.0	.0	.0	.0	•0	• 0	.0	• 0	.0	.0	.0	
TOT %	.0	.0	•0	•0	1.3	•0	1.3	•0	.0	•0	2.6	
PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
NO PCP		.0	.0	.0	•0	•0	.0	.0	.0	.0		
TOT %	.0	.0	.0	.0	.0	•0	.0	•0	•0	•0	•0	
PCP	.0	1.3	.0	.0	.0	•0	1.3	2.6	.0	.0	5.1	
NO PCP	.0	. 6	5.8	1.3	3.2	1.9	3,8	•0	.0	•0	16.7	
TOT \$	•0	1.9	5.8	1.3	3.2	1.9	5.1	2.6	•0	•0	21.8	
PCP	.0	1.3	.0	.0	•0	•0	1.3	1.3	•0	•0		
NO PCP	6.1	4.6	10.6	19.9	7.1	3.2	7.1		.0	6.4		
TOT %	6.1	6.1	10.6	19.9	7.1	3.2	8.3	8.0	•0	6.4	75.6	
TOT DAS												78
TOT PCT	6.1	8.0	16.3	21.2	11.5	5.1	14.7	10.6	•0	6.4	100.0	
	NO PCP TOT X PCP TOT X PCP NO PCP TOT X PCP TOT X PCP TOT X PCP TOT X	PCP .0 ND PCP .0 TOT % .0 PCP .0 TOT % .0 PCP .0 TOT % .0 PCP .0 ND PCP .0 TOT % .0 PCP .0 ND PC	PERCENT N NE	PERCENT FREQ PREC N N6 E	PERCENT FREQ OF MIN PRECIPITAT N NE E SE	PERCENT FREQ OF WIND DIRECT PRECIPITATION WITH THE PRECIPITATION WIT	PERCENT FREQ OF WIND DIRECTION PRECIPITATION WITH VAR N NE E SE S SW PCP .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PERCENT FREQ OF WIND DIRECTION V3 GCC PRECIPITATION WITH VARYING V N NE E SE S SW W PERCENTATION WITH VARYING V NO	PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE PRECIPITATION WITH VARYING VALUES (N NE E SE S SW W NW PCP	PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR M PRECIPITATION WITH VARYING VALUES OF VIS OF	PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF NON-OCCURRENCE OF VISIBILITY OF VI	PERCENT FREQ OF MIND DIRECTION VS GCCURRENCE OR NON-DICCURRENCE PRECIPITATION MITH VARYING VALUES OF VISIBILITY N

TABLE 9

			•	ERCEN'	T FREQ WITH VA	OF WIN	D DIRE	CTION OF Y	VS WIF	D SPE	ED		
VSBY (NH)	SPD KT\$	N	NE	ŧ	SE	5	5W	W	NW	VAR	CALM	PCT	TOTAL CBS
• • • • • • • • • • • • • • • • • • • •	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	٠,٥	.0	.0	.0		.0	
	22+	.1	.0	•0	•0	•0	•0	•0	- 1	•0		. 2	
	TOT %	.1	.0	•0	•0	•0	:0	.0	.1	•0	.0	. 2	
	0-3	.0	•0	•0	•0	•0	•0	.0	,0	.0	•0	.0	
1/2<1	4-10	•0	•0	•0	•0	• 2	.0	٠,٥	•0	•0		.2	
	11-21	.0	•0	•0	•0	•0	.0	.0	•0	.0		.0	
	22+	•0	•0	•0	•0	•0	.0	• 1	• 1	.0	_	.2	
	TOT #	.0	•0	•0	•0	.2	•0	•1	•1	.0	•0	.3	
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	•0	•0	.0	
1<2	4-10	•1	•0	•0	•0	.2	. 2	• 2	.2	.0		.,	
	11-21	.0	٠0	•0	• 0	•0	•0	.0	.0	.0		.0	
	22+	•0	•0	•0	•0	•0	.0	•0	•0	.0	_	.0	
	TOT \$	•1	•0	•0	•0	• 2	•2	.2	.2	•0	•0	. 8	
	0-3	•0	•0	.2	•0	•0	.0	•0	٠,	.0	٠0	.2	
2<5	4-10	• 1	.4	•1	•1	•0	.0	.2	•0	۰.			
	11-21	•1	•0	•0	•0	•0	•0	•0	-4	•0		.5	
	22+	-0	•0	•0	•0	•0	.0	٠0	••	•0	_	0	
	TOT \$	•2	.4	•2	• 1	•0	•0	. 2	.4	.0	•0	1.4	
	0-3	.2	.0	•2	.2	.2	.2	•1	-1	.0	.3	1.5	
5<10		.3	.4	1.1	. 8	.5	.4	• 7	1.2	.0		5.3	
	11-21	.2	•0	•0	.0	•0	.2	.5	1.0	.0		1.9	
	22+	•0	•0	.0	.0	٠0	.0	0	. 5	.0	_	. 5	
	TOT \$.7	.4	1.2	1.0	•7	.9	1.2	2.7	.0	.3	9.1	
	0-3	2.1	2.1	2.0	3.1	1.0	2.6	1.3	2.7	.0	7.1		
10+	4-10	5.8	4.5	4.9	10.9	4.8	2.7	5.4	12.8	•0		51.8	
	11-21	1.4	•0	• 2	1.9	- 4	• 3	1.0	4.3	.0		11.4	
	22+	.0	0	_•0	0	0	0	0	3	.0		3	
	TOT S	9.2	4.6	7.1	15.8	7.0	5.5	7.8	22.1	.0	7.1	80,3	
	TOT DES	10.2	7.4	1.4	16.9	8.0	4.5	9.4	25.5	.0	7.4	100.0	64

APRIL

PERIOD:	(PRIMARY)	1893-1967
	INVER-ALL S	1056-1047

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.65 101.6E

PERCENT	FREQUENCY OF				>4/81	AND
	OCCUBBE	NE DE N	4 /5/8 84	LICIA		

HOUR (GMT)	000 149	150 299	300 599				3500 4999				TOTAL	NH <5/8 ANY HGT	
60300	.0	.0	.0	6.3	12.5	6.3	6.3	.c	.0	•0	31.3	68.8	16
06609	.0	•0	•0	•0	16.7	16.7	11.1	•0	•0	•0	44.4	55.6	18
12615	.0	.0	•0	•0	9.1	9.1	9.1	.0	•0	•0	27.3	72.7	11
18621	.0	.0	•0	•0	18.2	.0	9.1	.0	.0	•0	27.3	72.7	11
TOT	0	0	0	1.8	8	5	5 8.9	.0	0	0	19	37 66.1	56 100-0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUNULAT					SUCH YBY	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 APD 5+	TOTAL
00603	.0	.0	2.9	1.9	5.7	89.5	105	00603	.0	•0	13.3	20.0	66.7	15
90360	.5	.0	•0	•0	7.2	92.3	209	90340	.0	•0	.0	44.4	55.6	18
12615	.0	.8	.c	1.7	12.7	84.7	118	12615	•0	•0	.0	30.0	70.0	10
18621	.0	.5	.9	2.3	10.6	85.6	216	18821	.0	•0	9.1	18.2	72.7	11
TOT PCT	.2	.3	. A	9	59 9.1	572 68.3	648 100.0	TOT PCT	••	•0	3 5.6	16 29.6	35 64.8	54 100•0

TABLE 13

TABLE 14

inote 19											TABLE 10									
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT F	EQUENC	Y OF W	14D D1	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40~49	50-59	60-69	70-79	80-69	90-100		FREQ	N	NE	Ε	SE	\$	S¥	×	NW	VAR	CALM
95/99	.0	.0	.0	•0		2,3	.0	.0	1	2.3	.0	.0	.0	.0	.0	۰.	.0	.0	.0	2.3
90/94	.0	.0	0	• 0	7.3	.0	.0	.0	1	2.3	1.7	.6	.0	•0	.0	.0	.0	.0	•0	.0
85/89	.0	.0	.0	• 0	• • •	9.1	2.3	•0	5	11.4	• 0	.0	4.0	2.8	2.3	2.3	.0	.0	•0	.0
80/84	.0	.0	• • •	• 0	2.3	29.5	45.5	•0	34	77.3	1.7	4.5	10.2	21.0	5.1	.6	21.0	6.3	.0	4.8
80/84 75/79	.0	.0	0	•0	0	2.3	2.3	2.3	3	6.8	•0	2.3	.0	• 0	.0	.0	2.3	2.3	•0	.0
TOTAL	0	0	0		2	19	22	1	44	100.0										
PCT	.0	• 0		• 0	4.5	43.2	50.0	2.3			3.4	7.4	14.2	23.9	7.4	2.8	22.3	8.5	.0	9.1

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	4 P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCA	OF RELA	TIVE H	YTIDIP:	BY HOU	t
HOUR (GHT)	MAX	99%	95x	50%	5%	15	MIN	MEAN	TOTAL UBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL OBS
00603	94	67	86	82	77	75	73	81.6	491	00203	.0	.0	•0	25.0	66.7	8.3	83	12
90360	97	90	68	84	80	77	72	83.9	1015	06669	•0	.0	6.7	53.3	40.0	.0	78	15
12615	92	88	86	83	79	77	74	82.7	512	12615	•0	.0	10.0	60.0	30.0	.0	78	10
18621	90	86	85	81	77	75	72	81.1	992	18621	•0	.0	•0	37.5	62.5	.0	80	8
TOT	97	89	87	82	78	76	72	82.4	3010	TOT .	Ö	ō	2	20	22	1	80	45

PAGE 022

o

c c

PERIOD: (PRIMARY) 1893-1967 (OVER-ALL) 1855-1967

TABLE 17

AREA GOOL SQUTHEAST SUHATRA 3.65 101.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
4	.0	•0	.0	1.4	1	.0	1.4
2	.0	•0	1.4	.0	1	.0	1.4
1	.0	2.8	2.8	.0	4	.0	5.6
0		19.4	2.3	.0	16	.0	22.2
-1	.0	22.2	.0	.0	16	•0	22.2
-ž	.0		.0	.0	13	.0	18.1
-1 -2 -3	2.8	4.2	.0	.0	5	.0	6.9
-4	5.6		.0	•0	14	.0	19.4
-5	1.4	• • •		.0	·i		1.4
-6	1.4	•0		.0	ī	.0	1.4
TOTAL		••	`5	••	•	ŏ	72
		50		1	72		
967	11.1	80-6	4.0	1 . Ă	100.0		100 0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) MGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-22
23-3-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 4-10 1-3 **** HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-32 41-48 49-40 61-70 71-86 49-60 71-86 1-3 11-21 1-3

PERIOD:	(OVE	-ALL)	1963-1	967				APRIL				AREA		OUTHEAST SUMATR
								TABLE 18 (CONT	,				3,6	55 101.6E
				PC	T FREG 0	F WIND	SPEED	(KTS) AND DIRE	CTION \	ERSUS S	EA HEIG	HTS (FT)		
				5							Sw			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0	•0	.0	.0	•0
1-2	.0	.0	.0	•0	.0	.0	.0	.0	•0	•0	•0	.0	•0	•0
<1 1-2 3-4	. 0	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0
5-6	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0

8-9	.0	.0	•0	.0	.0	.0	•0	.0	•0	•0	.0	•0	•0	•0	
10-11	.0	.0	.0	•0	.0	.0	•0	•0	•0	.0	•0	.0	.0	•0	
12	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0	•0	
17-19	.0	.0	•0	•0	.0	.0	•0	•0	•0	.0	•0	.0	.0	.0	
20-22	.0	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	
23-25	.0	.0	•0	•0	•0	.0	•0	.0	.0	.0	•0	.0	.0	.0	
26-32	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	
33-40	.0	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	
41-48	.0	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	.0	.0	•0	
47-60	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0	٠0	•0	.0	.0	
61-70	۰.0	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	•0	.0	•0	
71-86	•0	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	.0	•0	• 0	
87+	.0	.0	•0	•0	.0	.0	•0	•0	•0	.0	•0	.0	•0	•0	
TOT PCT	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	•0	•0	.0	•0	
				W	34-47	4.		1.4	4-10	11-21	NW 22-33	34-47	48+		TOTAL
HGT	1-3	4-10	11-21	22-33		48+	PCT	1-3	.0					PCT	PCT
<1	•0	.0	•0	•0	.0	.0	•0	•0		•0	•0	•0	.0	•0	
1-2	.0	٠,	,0	٠.	.0	.0	•0	•0	•0	• ?	.0	•0	.0	.0	
3-4	.0	.0	.0	•0	.0	٠.	•0	•0	•0	.0	.0	.0	•0	•0	
5-6	•0	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	.0	•0	
.7_	.0	.0	•0	•0	•0	.0	•0	•0	.0	.0	•0	•0	•0	•0	
8-9	•0	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	
10-11	.0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	
12	.0	.0	•0	.0	.0	.0	•0	•0	,0	•0	•0	•0	•0	•0	
13-16	.0	.0	•0	.0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	
17-19	.0	.0	.0	•0	•0	.0	.0	•0	•0	.0	•0	•0	•0	•0	
20-22	•0	•0	•0	.0	•0	.0	•0	•0	.0	•0	•0	•0	.0	•0	
23-25	.0	.0	•0	.0	.0	.0	•0	•0		.0	•0	•0	•0	•0	
26-32	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	
33-40	•0	.0	•0	• • •	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
41-40	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	
49-60	•0	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	
61-70	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	
71-06	•0	•0	•0	•0	•0	.0	•0	•0	.0	.0	•0	•0	•0	.0	
87+	.0	.0	•0	•0	•0	.0	•0	•0	.0	.0	•0	•0	•0	•0	
TOT PCT	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	۰.0	100.0

MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)
0-3	4-10	11-21	22-33	34-47	48+

	-							
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	•0	.0	.0	.0	•0	.0	.0	083
1-2	•0	25.0	.0	.0	•0	.0	25.0	
3-4	.0	25.0	50.0	.0	.0	.0	75.0	
5-6	.0	.0	.0	.0	•0	.0	.0	
7	•0	•0	.0	.0	•0	.0	.0	
1-9	.0	.0	.0	.0	•0	.0	.0	
10-11	.0	.0	.0	.0	•0	.0	.0	
12	•0	.0	.0	.0	•0	.0	.õ	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	•0	.0	.0	
20-22	.0	·ò	.0	.0	.0	.0	, ö	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	•0	.0	.0	•0	.0	.0	
33-40	• 0	.0	.0	.0	•0	.0	.ŏ	
41-48	.0	.0	.0	.0	•0	.0	.o	
49-60	.0	.0	.0	.0	•0	.0	·ò	
61-70	.0	•0	·ŏ	.0	•0	• 0	.0	
71-86	•0	.0	.0	.0	•0	.0		
87+	.0	.0	.0	.0	•0	.0	.0	
•••	••	•••	•••	••	•••	•••	••	
TOT PCT	•0	50.0	50.0	•0	•0	.0	100.0	-

PERIOD: (DVER-ALL) 1949-1967 TABLE 19 PERCENT PREQUENCY OF WAVE HEIGHT (PT) VS WAVE PERIOD (SECONDS) 3-4 5-6 9.6 1.9 9.6 1.9 9.6 2.8 .0 5.8 .0 0.0 .0 11.5 15 14 28.8 26.9 87+ TOTAL
.0 16
.0 12
.0 9
.0 5
.0 0
.0 10
.0 10
.0 10
.0 52
.0 100-0 HEAN HGT 3 3 4 6 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT <1 1-2
.0 19.2
.0 11.5
.0 .0
.0 .0
.0 .0
.1 .9 5.8
.1 19
1.9 38.5</pre> .0 1.9 3.8 .0 .0 000000000

PAGE 024

13 Ð

Ç C

TABLE 1

AREA 0001 SOUTHEAST SUMATRA 3.65 101.55

PERCENT	FREQUENCY	ΠF	WEATHER	BCCURRENCE	BY	WIND	DIRECTION

					_										
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG NO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
N	.0	.0	.0	.0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	100.0
NE	.0	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	100.0
E	15.4	.0	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	•0	•0	84.6
\$ E	.0	.0	.0	.0	•0	.0	•0	•0	•0	.0	•0	•0	10.5	10.5	78.9
S	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	•0	•0	•0	•0	100.0
Stri	.0	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	.0	•0	•0	100.0
W	14.3	.0	.0	.0	.0	.0	•0	14.3	•0	.0	.0	.0	•0	.0	85.7
Ñ≽	12.9	12.9	. 0	.0	.0		.č	25.8	.0	.0	.0	.0	.0	.0	74.2
VAR	.0	.0	٥	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0
CALM	.0	.0	.0	.0	•0		•0	•0	•0	.0	.0	•0	•0	•0	100.0
TOT PCT TOT 085:	6.0 50	2.0	.0	•0	•0	•0	•0	8.0	•0	•0	•0	•0	2.0	2.0	88,0

TABLE 2

PERCENT FREQUENCY	QF	WEATHER	DCCURRENCE	BY	HOUR	
-------------------	----	---------	------------	----	------	--

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	HENA	
HOUR (GHT)	RAIN	RAIN Shur	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG NO PCPN	FOG WO PCPN PAST HR	SMOKE		
00803 06809 12815 18821	11.8 10.0	5.6 .0 12.5	.0 .0 .0	.0	•0	.0	.0	11.8 5.6 10.0 25.0	•0	•0	.0 .0	•0	•0 •0 •0	5.9 .0 .0	82.4 86.9 90.0 75.0
TOT PCT	5.7	3.8	1.9	•0	•0	•0	•0	11.3	•0	.0	•0	•0	1.9	1.9	84,9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0~3			ED (KNI 22 -3 3		48+	TOTAL Cas	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GHT) 12	15	10	21
N	2.0	5.7	1.5	.1	.0	•0		9.3	7.0	14.8	.0	10.0	3.1	4.3	.0	10.8	12.6
NE	1.6	4.4	. >	.0	•0	•0		6.5	5.7	11.8	.0	3.4	1.3	3.2	.0	8.6	10.6
E	1.6	6.6	1.2	. 1	•0	• 0		9.5	7.0	13.8	•0	8.8	3.€	5.7	.0	10.4	14.4
SE	3.4	13.1	4.7	. 4	.0	.0		21.6	8.0	21.2	•0	23.0	19.7	21.5	.0	23.5	20.8
S	2.3	6.7	1.0	. 1	.0	.0		10.1	6.3	5.5	.0	8.9	10.2	14.1	100.0	8.4	5.5
Šu	1.4	4.2	.2	.1	.0	•0		5.9	5.9	3.2	.0	4.6	12.0	8.4	.0	4.6	2.8
¥	2.4	5.1	1.4	.1	.0	•0		9.0	6.9	4.7	•0	1.6	16.7	13.0	•0	6.6	4.4
Nw	2.8	10.0	3.5	. 6	.1	• 0		17.2	8.4	16.6	•0	18.4	18.6	18.6	.0	14.0	16.9
VAR	.0	.0	.0			.0			.0	•0	•0	.0	.0	•0	.0	.0	.0
CALM	11.0	• • •	•••	• • •	• • •	• • •		11.0	.0	8.3	•0		6.6	11.2	.0	13.2	12.0
TOT OBS	905	1772	453	46	2	0	3178		6.5	539	ŏ	955	515	526	1	516	526
TOT PCT	28.5	55.8	14.3	1.4	ī	• •		100.0		100.0					100.0		

TABLE 3A

KHD DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDUR 06 09	1GHT: 12 15	18 21
N	5.3	3.6	.5	•	.0		9.3	7.0	14.6	6.7	4.3	11.7
NE	4.5	1.9	.1	.0	.0		6.5	5.7	11.6	2.4	3.2	9.6
NE E	5.5	3.5	.5	.0	.0		9.5	7.0	13.8	6.4	5.7	12.4
SE	10.5	9.4	1.7	.0	•0		21.6	8.0	21.2	21.4	21.4	22.1
Š	6.6	3.2	.3		.0		10.1	6.3	5.5	13.3	14.2	7.0
Św	4.0	1.8		•0	.ŏ		5,9	5.9	3.2	1.2	8.3	
				•			9.0	6.9	4.7	12.5		5.5
w	5.1	3.4	. 4	•	.0						0	
NW	8.3	6.9	1.8	• 2	.0		17.2	8.4	16.6	10.3	18.6	15.5
VAR	.0	•0	•0	.0	.0		•0	.0	.0	.0	.0	•0
CALH	11.0			• •			11.0	.0		10.6	11.2	12.6
TOT OBS	1934	1070	166		0	3178		6.5	93ر	1070	527	1042
TOT BET	40.9	33.7	5.2		٠.		100-0		100.0	100.0	100.0	

PERIOD: (PRIMARY) 1892-196R (OVER-ALL) 1857-1968

TABLE 4

AREA 0001 SOUTHEAST SUMATRA 3.65 101.6E

PERCENTAGE	FREQUENCY	ΩF	MIND	SPEED	84	HOUR	(CHT)

HOUR	CALH	1=3	4-10		SPEED (48+	MEAN	PCT FREQ	TOTAL OBS
00603	8.3	16.5	61.0	13.0	1.1	.0	.0	A.4	100.0	539
06609	10.6	17.4	56.6	13.8	1.5	:i	.0		100.0	1070
12615	11.2	16.1	55.6	15.6	1.3	ž	.0		100.0	527
18221	12.6	18.9	52.2	14.7	1.6	•0	• 0		100.0	1042
TOT	348	557	1772	453	46	,,	Ö	6.5	100.0	3178
PCT	11.0	17.5	55.8	14.3	1.4	.i	.ŏ	•••	100.0	31,0

TABLE 5

TABLE 6

			•	#0CE >								17	FRE 0					
P	CT FRE			CLOUD A		(EIGHTHS)		ı	PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	G HEIG	HTS (FT,NH ;)4/8)]N	
WND DIR	0-2	3-4	5-7	8 & 085CD	TCTAL CBS	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6530 7999	8000+	NH 45/8 ANY HGT	
N	.0	8.9	3.2	•0		4.2	•0	•0	.0	.0	.0	.0	.0	•0	•0	.0	12.1	
NE	.0	.0	3.2	•0		6.0	+0	• 0	.0	•0	.0	•0		•0	•0	.0		
E	1.6	3.9	3.2	2.4		4.3	•0	• 0	Ĭ	•0	.0	•0	ŏ	•0			3.2	
SE	3.2	10.5	6.5	- B		4.0	.0	3.2	.0	.0	.ŏ	3.7	.ŏ	•0	•0	•0	16.1	
S	4.8	3.2	2.4	•0		2.5	•0	•0	.0	•0	2.4				•0	*0	14.5	
ŠW	.0	.0	. 8	•0		7.0		-0	ě	.0		•0	•0	•0	•0	•0	8.1	
ŭ.,	.0	6.5	8.1	3.2		5.0			3.2	3.2	.8	•0	•0	•0	•0	•0	•0	
Ñ₩	3.2	. 8	4.8	6.5		5.3		•0			•0		•0	•0	•0	•0	11.3	
VAR							•0	•0	•0	•0	•0	3.2	•0	•0	•0	•0	12.1	
	•0	•0	•0	•0		0	•0	• 0	.0	•0	.0	•0	.0	•0	•0	.0	•0	
CALM	•0	•0	3,2	•0		5.0	•0	•0	.0	.0	•0	•0	.0	•0	•0	.0	3.2	
TOT DES		12	_ 11	4	31	4.4	0	1	1	1	1	2	0	Ó	0	ŏ	25	31
TOT PCT	12.9	38.7	35.5	12.9	100.0		•0	3.7	3,2	3.2	3.2	6.5	•0	•ŏ	•0	•0	80.6	100.0

TARLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NH)

				VSBY (NM)			
CEILING	= OR	• UR	• DR	- nr	- DR	• OR	• OR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
 DR >5000 	.0	•0	.0	.0	.0	,ŏ	.0	,ŏ
■ DR >3500	.0	.0	.0	.0	.0	.ŏ		.ŏ
■ OR >2000	3.1	3.1	6.3	6.3	6.3	6.3	6.3	6.3
■ DR >1000	6.3	6.3	9.4	9.4	9.4	9.4	9.4	9.4
■ DR >600	12.5	12.5	15.6	15.6	15.6	15.6	15.6	15.6
• OR >300	12.5	12.5	18.8	10.6	18.8	10.8	18.8	18.8
■ DR >150	12.5	15.6	21.9	21.9	21.9	21.9	21.9	21.9
• DR > 0	12.5	15.6	21.9	21.9	21.9	21.9	21.9	
TOTAL	4	3	7	7	7	7	7	21.9 7

TOTAL NUMBER OF OBS1 32 PCT FREQ NH <5/8: 78-1

TABLE 7A

PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 (BSCD	TOTAL
4.1	15.2	27.3	18.2	9.1	9.1	6.1	٠t	9.1	•0	33

PAGE 026

-ALL)	1657-1968		TABLE 8													
		P	ERCENT						URRENCI				E OF			
VSBY (NH)		N.	NE	E	SE	s	S¥	¥	NW	VAR	CALH	PCT	TOTAL OBS			
(11/17	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	083			
<1/2	NO PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0	.0				
	TOT &	.0	.ŏ	.0	ě	.0	.0	.0	.0	.ŏ	.0	.0				
	PCP	.0	.0	.0	•0	•0	•0	.0	•0	.0	.0	.0				
1/24	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0				
	TOT %	.0	.0	.0	•0	•0	•0	.0	•0	.0	•0	.0				
	PCP	.c	.0	2.0	•0	•0	•0	.0	•0	.0	•0	2.0				
1<2	NO PCP	.0	.0	.0	2.0	•0	• 0	.0	•0	.0	.0	2.0				
-	TOT \$.0	.0	2.0	2.0	•0	'n	.0	•0	.0	•0	4.0				
	PCP	.0	.0	.0	•0	•0	•0	2.0	2.0	•0	•0	4.0				
2<5	NO PCP	.0	.0	.0	.0	•0	• 0	.0	.0	.0	.0	,0				
	TOT %	.0	.0	.0	•0	•0	•0	2.0	2.0	.0	.0	4.0				
	PCP	.0	.0	•0	•0	•0	•0	.0	2.0	.0	.0	2.0				
5<10	NO PCP	4.0	2.0	.0	4.0	1.0	3.0	2.0	2.0	.0	2.0	20.0				
	TOT %	4.0	2.0	•0	4.0	1.0	3.0	2.0	4.0	•0	2.0	22.0				
	PCP	.0	.0	.0	•0	•0	•0	.0	•0	.0	•0	.0				
10+	NO PCP	12.5	1.0	11.0	13.0	8.5	. 5	10.0	9.5	•0	4.0	70.0				
	TOT %	12.5	1.0	11.0	13.0	8.5	• 5	10.0	9.5	•0	4.0	70.0				
	TOT OBS												50			
	TOT PCT	16.5	3.0	13.0	19.0	9.5	3.5	14.0	15.5	.0	6.0	100.0				

TABLE 9

				-			•		****				
VSBY (NH)	SPD KTS	N	NE	E	SE	S	SW	Ħ	NW	VAR	CALM	PCT	TOTAL
	0-3	• 1	.0	• 0	•0	.0	.0	.0	. 1	.0	.0	.2	
(1/2	4-10	.0	.0	.0	.2	•0	.0	.0	.0	.0		.2	
	11-21	.0	.0	•0	•0	.0	.0	•0	.0	.0		.0	
	22+	•0	•0	•0	•0	•0	•0	•0	.0	.0		.0	
	TOT \$	•1	.0	• 0	•2	•0	•0	•0	.1	.0	•0	.3	
	0-3	.0	.0	.0	•0	.0	.0	.1	.1	.0	.0	.2	
1/2<1	+-10	• 0	.0	.0	•0	•0	.0	•0	.0	.0		.0	
	11-21	-1	•0	•0	•0	•0	.0	.0	.1	.0		• 3	
	22+	•0	•0	•0	.0	•0	.0	•0	.0	.0		•0	
	TOT \$	•1	•0	•0	•0	•0	.0	•1	. 2	•0	.0	.3	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	•0	.0	• 2	.3	.0	.0	•0	.0	•0		.5	
	11-21	•0	•0	• 1	• 1	.0	.0	-1	. 2	.0		.5	
	22+	•0	.0	• 0	•0	• 0	•0	•0	•0	•0		•0	
	TOT \$	•0	.0	•5	.4	•0	.0	-1	.2	.0	.0	.9	
	0-3	.1	.0	•0	.0	.0	.0	.0	. 2	.0	.0	.3	
2<5	4-10	• 5	• 1	• }	• 1	• 1	•1	.3	.5	.0		1.4	
	11-51	-1	•0	•1	•2	•1	.0	• 5	.7	, (1.2	
	27+	•0	.0	•0	•0	•0	• 0	•0	.0	•0	_	0	
	TOT \$.4	.1	• 2	.2	• 2	•1	. 5	1.4	.0	.0	2.9	
	0-3	.5	.2	•0	.2	•0	.2	.2	.3	.0	.5	1.8	
5<10	4-10	.5	- 1	•0	.5	• 2	. 4	• 7	.9	•0		3.3	
	11-21	•1	•0	•0	1.4	• 2	.0	•0	.2	.0		1.8	
	22+	0	.0	•0	•0	•0	•0	.0	.0	•0	_	.0	
	TOT %	1.1	.2	•0	2.0	.4	.5	. 8	1.4	.0	.5	6.9	
	0-3	1.7	1.2	2.6	3.7	1.9	1.5	1.6	1.6	•0	6.6	22.4	
10+	4-10	5.8	4.8	7.9	15.3	6.9	4.6	5.5	7.3	.0		58.0	
	11-21	• 9	.0	• 5	2.3	.5	• 1	.5	2.6	•0		7.4	
	22+	.0	0	•0	.,9	.0	.0	º	0	.0		?	
	TOT S	8.4	6.0	11.1	22.2	9.1	6.2	7.6	11.5	•0	٤.6	88.7	
	TOT DBS							• •					665
1	TOT PCT	10.0	6.3	11.4	25.0	9.7	6.8	9.0	14.8	.0	7.1	100.0	

MAY

PERIOD: (PRIMARY) 1892-1968 (DVER-ALL) 1857-1968

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.65 101.8E

PERCENT FREQUENCY OF CFILING HEIGHTS (FEET, NH >4/2' AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
£0300	.0	8.3	8.3	.0	.0	8,3	.0	.0	.0	•0	25.0	75.0	12
90360	.0	•0	•0	8.3	•0	8.3	.0	.0	.0	•0	16.7	43.3	12
12615	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	.0	100.0	4
18821	•0	•0	•0	25.0	25.0	•0	-0	•0	•0	•0	50+0	50.0	4
TOT	0	3.1	3.1	6.3	3.1	6.3	0	6	0	0	7 7 21 - 9	25 78.1	32

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	/ VSBY	(NM)	BY HOUR		CUMULAT	IVE PÇT CEILÎN	FREQ F HGT	OF RAN	GES OF NH >4/8	VSBY (NH)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	.•	3.5	10.5	85.1	114	00603	•0	16.7	16.7	8.3	75.0	12
06609	.0	.0	.5	1.4	5.0	93.2	222	90360	.0	.0	16.7	•0	#3.3	12
12615	.0	.0	1.7	4.3	8.5	05.3	116	12615	.0	.0	.0	•0	100.0	4
18621	.9	.9	.•	3.2	6.9	87.0	216	18621	•0	-0	25.0	25.0	50.0	4
TOT	, 2 , 3	.3	. 6	19 2.8	48 7.2	591 88.5	668 100.0	TOT PCT	.0	6.3	5 15.6	2 4.3	25 78.1	32

TARLE 13											TABLE 14									
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT											PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	4	NE	E	SE	s	SW	¥	NW	VAR	CALM
85/89	.0	.0	.0	•0	.0	7.7	3.0	3.8	4	15.4	•0	.0	6.7	8.7	.0	.0	.0	.0	.0	.0
80/84	.0	.0	•0	•0	7.7	23.1	30.4	7.7	16	49.2	6:7	••	9.6	8.7 21.2	1:9	1.9	11.5	8.7	•0	7:7
75/79	.0	.0	.0	•0	0	.0	3.8	11.5	4	15.4	.0	.0	.0	.0	.0	.0	9.6	5.4	.0	.0
TOTAL	0	0	0	0	2		10	6	26	100.0					•	• • •	- • •	- • •		,,
PCT	.0	.0	.0	•0	7.7	30.5	38.5	23.1			6.7	.0	16.3	29.8	1.9	1.9	21.2	14.4	•0	7.7

TARLE 15

				TAR	LE 15									PABLE	14			
	HEARS,	EXTREME	S AND	PERCER	TILES	OF TEI	HP (DE	G F)	BY HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	-	l .
HOUR (GMT)	MAX	775	95g	50%	5 x	18	NIN	MEAN	TOTAL OBS	HQUR (GMT)	0=29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL OBS
\$0300 \$0300	49 93	**	#4	#2 #4	78 80	75 77	74 75	82.1	531 1037	£0300 €03 00	•0	•0	10.0	8.3	66.7	25.0	86	12
12615	90	88	86	63	79	76	75	82.9	515	12615	.0	:0	10.0	40.0 66.7	20.0 33.3	30.0	83 78	10
18621	49 53	47 88	85 87	#2 #3	78 78	76 76	74 74	\$1.6 \$2.7	1020 3103	18621 TOT	•0	•0	25.0 2	25.0	50.0 13	•0	79 83	29

PAGE 028

c c

0 0

PCT FRFO OF AIR TEMPERATURE (DEG F, AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TUMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	85	89	TOT	w	WO
THP DIF	80	84	88	92		E06	FBG
3	•0	•0	2.2	•0	,	.0	2.2
3 2	.0	.0	٥	2.7	ī	.0	2.2
1	.0	4.4	2.2	.3	3	.0	6.7
0	.0	15.6	4.4	.)	9	.0	20.0
-1 -2 -3	• 0	13.6	2.2	. 0	6	.0	17.8
-2	•0	15.5	4.4	٠,٥	9	.0	20.0
-3	.0	4.4	.0	•0	2	.0	4.4
-4	11.1	11.1	٠.	• (10	.0	22.2
-5	.0	2 • 2	.0	•0	1	.0	2.2
-7/-8	2.2	•0	٠.	•0	1	.0	2.2
TOTAL	6		7			0	45
		31		1	45		
PCT	13.3	68.9	15.6	2.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1968

And the state of the state of

TABLE 18

				13	1 F#E0	OF WIND	SPEED	(KTS) AND DIRE	CTIUN V	ERSUS S	EA HEIG	HTS (FT)		
_				N	_						NE			
HGT	1-3	4-10	11-21	22-13	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	•0	.0	•0	.0	.0	•0	•0	100.0	•0	•0	•0	•0	.0	100.0
1-2	•0	.0	•0	.0	.0	.0	.0	•0	.0	,0	.0	•0	.0	.0
3-4 5-6	.0	.0	•0	•0	•0	•0	•0	•0	.0	•¢	٠0	•0	•0	•0
7-0	•0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0
1-9	.0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	.0	•0
10-11	.0	.0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0
12	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0
13-16	.0	.0	•0			.0	•0	•0	.0	•0	•0	•0	.0	•0
17-19	.0	.0	•0	•0	•0	.0	•0	•0	.0	•0	•0	•0	.0	•0
20-22	.0	.0	•0	•0	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0
23-25	ě		•0	•	.0	.0	.0	,0	ŏ	.0	•0	:0	:0	•0
26-32		·ŏ	•0	.0	.0		.0	.0	.0	.0	.0	•0	.0	•0
33-40	.0	.0	•0	.0	.0		•0	, n	.0	.5	•0	•0	.0	•0
41-48	ě	-0	.ŏ	.0		ě		ő	.0	ě	.0		.0	.0
49-60	·ŏ	.0	•0		.0	•0	.0	.0	ě	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	•0	•0	•0	.0	.ŏ		.0	.0	.0
71-86	.0	.0	•0	.0	·ŏ	•0	•0	Ö	•0		.0	•0	.0	•0
87+	.0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	•0	•0	•0
TOT PCT	.0	.0	•0	•0	•0	•0	.0	100.0	.0	.0	.0	•0	.0	100.0
										• •	•			
				_										
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	•.0			.0	.0		.0		.0	•0	.0	.0	.0	.0
1-2	ŏ	.ŏ	.0	.0	٥	.0	.0	ő	.ŏ	.0	.0			.0
3-4	:ŏ	:0	.0	:0	:0	:6	:0	ő	.0	.0	:0	.0	:0	:0
5-0			.0		.0		.0	•0	.0	•0	.0	•0		.0
7	.ŏ		.0	.ŏ	.0	ě			.ŏ		.0	•0		:ŏ
8-9	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	•0
10-11	.0	. 0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0	•0
12	.0	.0	•0	•0	.0	• 0	•0	•0	•0	• 0		•0	• 0	•0
13-16	.0	.0	•0	.0	.0	•0	.0	•0	.0	•0	.0	•0	•0	•0
17-19	•0	.0	•0	•0	.0	.0	•0	•0	٠0	.5	.0	•0	.0	•0
20-22	.0	.0	•0	.0	.0	•0	.0	•0	.0	•0	•0	•0	•0	•0
23-25	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
26-32	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0
41-48	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
49-60	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•6	•0	•0	•0
61-70	•0	•0	•0	٠.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
71-86	•0	•0	•0	• 0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
87+	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
TOT PCT	•0	•0	•0	•0	-0	•0	•0	•0	•0	•0	•0	•0	•0	•0

₩145	SPEED	(KTS)	٧5	5 E A	MEIGHT	(FT)
------	-------	-------	----	-------	---------------	------

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	707 C85
<1	100.0	.0	.0	.0	.0	.0	100.0	000
i-2	.0	.0	٠Ċ	.0	.0	.0	.0	
3-4	• 0	.0	.0	.0	•0	.0	.0	
5-6	.0	.0	, ς	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	•C	.0	•0	• • •	•0	
10-11	.0	.0	• C	.0	.0	.0	.0	
12	.0	.0	• C	•0	•0	.0	٠,٥	
13-16	.0	.0	. C	.0	.0	.0	.0	
17-19	•0	•0	•0	.0	•0	•0	.0	
20-22	.0	•0	• C	.0	• 0	.0	.0	
23-25	.0	• G	.0	.0	.0	.0	.с	
26-32	.0	•0	.c	.0	•0	.0	.0	
33-40	.0	.0	.0	• 0	.0	.0	.0	
41-48		.0	.0	•0	.0	-0	.0	
49-60	•0	• 0	٠.	• 6	•0	• 0	•0	
61-70	.0	• 0	• 0	.0	.0	.0	.0	
71-86	.0	.0	• C	•0	.0	.0	.0	
87+	.0	•0	• C	•0	• 0	•0	.0	
								1
TET PET	100.0	.0	.0	.0	• ^	• • •	100.0	

TABLE 19 PERIOD: (DVER-ALL) 1949-1968

C

C

				,	PERCEN	T FRE	QUENCY (DF #A1	VE HEIG	HT (F	r) y5 i	HAVE PI	ERIOD	(SECON	05)						
PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	67+	TSTAL	YEAY HGT
(SEC)						_				^	•				^	^	^	٥	0	10	701
<6	.0	24,0	16.0	۰0	.0	.0	.0	.0	.0	.0	, 0	.0	.0	.0		٠,	• • •	٠,٠	• • •	• • •	
6-7	•0	4.0	20.0	.0	4 0	•0	•0	.0	•0	.0	٠,0	•0	•0	•0	•0	.0	•0	.0	.0	:	?
89	•0	•0	4.0	8.0	4.0	.0	•0	.0	•0	٠.	.0	•0	.0	•0	•0	.0	.0	.0	.0	4	,
10-11	•0	.0		.0	.0	•0		.0	.0	.0		• 0	.0	•0			.0		.0	1	3
12-13	•0	•0	•0	.0	.0	•0	•0	•0	•0	.0		•0	•0	•0	•0		• • •	•0	•0	Ų	
>13	•0	• 0	.0	.0	.0	.0	٠,0	.0	• C	.0	.0	•0	.0	•0	•0	.0	.0	•0	•0	0	
INDET	8.0	.0	4.0	.0	.0	• 0	•0	.0	•0	.0	.0	•0	.0	•0	•0	.0	.0	•0	.0	3	1
TOTAL	2	7	12	2	3	0	0	0	C	0	. 0	0	0	0	0	Ō	0	0	0	25	3

PAGE 030

3 ()

100.0

1046

PERIODI (PRIMARY) 1892-1969

TABLE 1

PERCENT FREQUENCY OF MEATHER OCCURRENCE BY MIND DIRECTION

PRECIPITATION TYPE											CTHER	MEATHER	PHEND	4F%A	
#/0 CIR	RAIN	RAIN SHER	CR7L	FRIG PCPN	540#	OTHER FRZN PCPN	MAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR LTNG	F36 43 PCPN	FJG #0 PCPY PAST #R	SMOKE HAZE	SPRAY BLWG DUS BLWG SND	
NE E SE S NA NAR VAR	13.11	1.6			00000000000	00000000000	000000000000	14.8	21.2 8.2 .0 .0	13.1		00000000000	.00000000000000000000000000000000000000		100.0 100.0 57.6 70.5 100.0 100.0 100.0
TOT P T TOT Cas:	7.5 40	2.5	.0	.5	•0	•0	٠.	:0.0	7.5	5.0	• • •	.0	•0	•0	60.0

TARLE 2

PERCENT FREQUENCY OF HEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE											MEATHER	PHEND	MENA.	
(641) HUNB	RAIN	24IN Sm#R	CRYL	FRZG PCPN	\$\0A	DTHER FRZN PCPN	MAIL	DE TIME	PCPN PAST HEUR	THOR LTNG	F36 #3 PCPY	POG HO PERN PAST HR	SHOKE	SPRAY BLWG DJST BLWG SNOW	
00609 126.5 18623	7.1	7.1	.0	.0000	••••	.0000		7.1 2.5	21.4	14.3	.0000	.0000	•0	.0	57.1 92.9 87.5 100.0
TOT PCT TOT 0851	7:1	2.4	.0	.0	•0	•0	٠.	9.5	7.1	4.6	•0	•0	.0	•0	41.0

TARLE 3

PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

MNO DIR	0-3			22 - 33		48+	TOTAL DBS	PÇT FRFQ	4647 C45	ເາ	03	26	#3UR 09	(GMT) 12	15	18	21
S	1.7	5.4	1.2	. ?	.0	.0		6.5	7.3	12.1	• 5	7.8	2.9	5.5	.0	9.7	12.7
٧E	1.4	4.3	.5	•	•0	٠.		6.3	6.1	10.9	• 5	3.0	1.6	3.6	• 0	7.8	10.3
E	2.6	4.9	1.1	.:	• 0	٠.0		11.0	6.3	17.5	75.0	11.6	4.3	6.7	100.0	10.8	13.9
SE	3.7	17.5	7.3		.0	.0		29.4	8.7	28.5	25.0	32.1	29.3	30.8	.0	28.6	26.9
S	2.3	4.7	1.5	. 2	.0	.0		10.6	7.1	5.5	• 0		19.3	13.5	.0		7.0
S.	1.2	3.0	. 5	.0	.0	. 0		6.7	6.1	2.7	• 5	4.0	10.0	5.3	•0	3.5	3.2
	1.3	3.7	4.1	. 2	• 0	.0		6.4	7.5	3.4	• 5		12.7	8.2	• 5	5.2	3.9
Na.	2.2	7.9	3.4	. 3	•0	.0		13.9	8.4	12.2	• 5		14.0	14.5	-0	13.3	14.0
PAV	. 5	.0	.0		. 0	.0		.0	. 0	•0	.0	• 0	•0		.0	•••	. 0
CALY	9.3			-				9.3	. 5	6.9	•0			11.7	•0	11.3	8.2
TOT CBS	798	1710	515	55	0	Ô	3378	- •	6.9	520	i	524	490	497	1	520	525
TOT PCT	25.9	55.6	44.7	1.6	• 6	٠ŏ		100.0			160.0				100.0		

TABLE 3A

HND DIR	0-6	#IND 7+16	SPEED 17-27	(KNCTS) 28-40	4:-	TOTAL DBS	PCT FREQ	"EAY SPO	00 03	H3U1 06 09	13 15 15	18 21
	4.6	3.4	.6	•	٠.		8.5	7.3	12.1	5.4	5.6	11.2
NE.	4.1	2.0	,1	.0			6.3	6.1	10.8	2.3	3.6	9.0
F.	6.8	3.8	. 3	.0	. 5		11.0	6.3	17.7	8,2	6.9	12.3
SE	11.9	14.6	2.6	.0	.0		29.4	8.7	28.6	30.8	30.7	27.7
5	5.7	4.4		•	.5		10.6	7.1	5.6	14.1	13.5	4.4
ć,	3.2	1.4		•0	.5		4.7	6.1	2.7	6.9	5.3	3.3
	3.5	2.4			.0		6.4	7.5	3.4	1.6	8.2	5
	6.5	5.0	1.0	:	:5		13.9	1.4	12.2	14.6	14.5	13.6
VAR												
		•0	•c	•0	.0		.0	.0	.0	0	0	.0
CALM	9.3				_	3478	9.3	0	0.9		11.6	9.8
TOT DOS	1711	1165	198	•	0	3078		6.9	521	1414	498	1045
TOT PCT	94.6	37.B	6.4	. 1	- ^		100.0		100-0	100.0	100.0	100.0

JUNE

PERIODI	(PRIPARY)	1892-1969
	1046A-111	1888-1040

TAPLE 4

AREA 0001 SOUTHEAST SUMATRA 3.65 101.7E

PERCENTAGE	EDEALIENTY	۲E	LIND	CACED		MOUR		
PERCENTAGE	PREQUENCY	UP	F170	3PE-D	51	MUUK	(GPT)	

				WIND	SPEED (KN7TS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FRFQ	OBS
00603	6.9	17.7	59.9	13.6	1.9	.0	.0	6.9	100.0	521
90360	8.9	18.2	55.4	15.9	1.6	.0	•0	6.8	100.0	1014
12615	11.6	14.9	52.8	19.1	1.6	.0	.0	7.0	100.0	498
18621	9.8	15.4	54.8	18.0	2.0	.0	.0	7.1	100.0	1045
TOT	286	512	1710	515	55	0	0	6.9		3078
PCT	9.3	16.6	55.6	16.7	1.8	• 0	•0		100.0	•

TAPLE 5

TABLE 6

,	CT FRE			CLOUD A		(EIGHTHS)		1					CEILIN					
HAD DIE	0-2	3-4	5-7	8 & 0850p	TETAL CBS	MEAN CLOUD COVER	000 149	15^ 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	•0	2.8	•0	•0		4.9	•0	۰٥	.0	•0	.0	•0	.0	•0	•0	•0	2.8	
NE	.0	.0	4.5	•0		6.6	•0	• 0	.0	.0	.0	• 5	.0	• 2	.0	. 5	4.6	
E	1.9	1.9	6.5	6 - 5		5.7	•0	• 2	.0	•0	6.5	.0	.c	•0	•0		10.2	
SE	1.9	16.7	14.8	5.6		4.8	•0	• ^	.0	.0	4.5	. 9	.0	•0	•0		33.3	
S	.0	.0	.0	2.4		8.0	• 0	.0	'n	.0	.0	2.8	.0	.0	•0	• • •	• 0	
ŠĦ	.0	.0	3.7	• 0		5.0	• 5	• 0	.0	.0		3.7	ō	•0			.0	
₩	3.7	.0	5.7	.0		3.5	•0	- 0	.0	.0	.0	•0	.0	.0	•0	.5	7.4	
Nr.	3.7	. 9	11.1	•0		5.4	•0	. 0		.0	7.4	•0	.0	•0	•0	.^		
VAR	.0	.0	•0	. 0		•0	•0			•0	.0	•0	.0	•0	.0		• 0	
CALM	.0	3.7	.0	3.7		5.5	• 0	. ^	. 0	3.7	.0	•0	.0	.0	•0	Š	3.7	
TOT USS	3	7	12	5	27	5.1	Ó	ň	ŏ	1	Š	ž	ŏ	ő	ő		19	27
TOT PCT	11.1	25.9	44.4	18.5	100.0	-	• 0	• •	•0	3.7	18.5	7.4	.0	• 0	•0	•0	70.4	100.0

TARLE 7

CUMULATIVE PCT FREG DF SIMULTANEOUS DCCURRENCE DF CEILING HEIGHT (NH)4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	⇒ DR	■ JR	DR	• AR	• DR	• CR	= [™] R	= GR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ DR >.500	.0	.0	.0	.0	.0	.0	.0	.0
 DR >5000 	.0	.0	.0	.0	.0	.0	.0	.0
 OR >3500 	.0	•0	.0	.0	.0	.0	•0	.0
■ DR >2000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
■ CR >1000	21.4	25.0	25.0	25.C	25.0	25.0	25.0	25.0
■ OR >600	25.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
■ OR >300	25.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
■ DR >150	25.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
• DR > 0	25.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
TOTAL	. 7	. 8	8	Ā	6	A	,	8

TOTAL NUMBER OF OBS: 78

PCT FREQ NH <5/8: 71.4

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (SIGHTHS)

0 1 2 3 ~ 5 6 7 8 OBSCO OBS 10.0 10.0 16.7 30.0 3.3 10.0 3.3 .0 16.7 .0 30

PAGE 032

C (

0 0

		P	ERCENT						URRENCE ALUES				E OF
VSBY (NH)			NE	E	SE	\$	Sw	W	NW	VAR	ÇALH	PCT	TOTAL
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	•0	• 0	• 0	.0	.0	.0	•0	.0	
	TOT \$.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
	PCP	.c	.0	.0	•0	•0	•0	.0	•0	.0	•0	.0	
1/2<1	ND PC2	• C	• 0	.0	• 0	•0	• 0	•0	.0	.0	.0	.0	
	TOT %	•0	۰.	•0	.0	.0	•0	•0	۰0	.0	.0	.0	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0	
	TOT %	.0	.0	.0	.0	.0	•0	.0	۰.	.0	•0	.0	
	PCP	.0	•0	4.5	•6	•0	• 9	.0	.0	.0	•0	5.1	
2<5	NO PCP	•0	.0	.0	•0	•0	•0	•0	•0	.0	•0	.0	
	TOT %	.0	.0	4.5	•6	-0	•0	•0	•0	.0	•0	5.1	
	PCP	.0	.0	.0	5.1	•0	•0	.0	.0	,0	•0	5.1	
5<10	NO PCP	.c	.0	5.1	6.4	6.4	• ^	.0	•0	٠.	•0	17.9	
	TOT %	.0	.0	5.1	11.5	6.4	•0	•0	•0	.0	•0	23.1	
	PCP	.c	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0	
10+	NO PCP	1.9	5.8	11.5	26.9	4.5	2+6	2.6	10.9	.0	5.1	71.8	
	TOT %	1.9	5.8	11.5	26.9	4.5	2.6	2.6	10.9	•0	5.1	71.0	
	TOT OBS												39
	TOT PCT	1.9	5.8	21.2	39.1	10.9	2.6	2.6	10.9	.0	5.1	100.0	

TABLE 9

PERCENT FREQ OF MIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY VSBY SPD N NE E SE S SW 4 NW VAR CALM PCT TOTAL													
VSBY (MN)	SPD KTS	N	NE	E	SE	5	\$¥	4	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	, 0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	
	0+3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	•0	.0	•0	.0	.0		.0	
	11-21	•0	•0	•0	.0	.0	•0	•0	.0	•0		•0	
	22+	.0	•0	.0	.0	.0	.0	.0	•0	.0		•0	
	TOT \$	•0	•0	•0	.0	•0	.0	.0	.0	.0	•0	.0	
	0-3	•0	•0	.0	• ?	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	• 2	• 0	•0	•0	•0	. 2	• 5	•0	.0		. 3	
	11-51	•0	•0	.0	.0	•0	.0	.0	.0	•0		.0	
	22+	•0	•0	•0	•0	•0	.0	•0	•0	.0		• 0	
	TOT \$	•2	•0	•0	•0	.0	.2	•0	•0	•0	•0	.3	
	0-3	•0	•0	•2	.0	•0	.0	.0	.0	.0	.0	.2	
2<5	4-10	.0	•0	• 2	.3	• 1	•0	.0	• 2	•0		.7	
	11-21	•0	•0	• 1	•	•0	•0	•6	.0	•0		.2	
	22+	•0	•0	•0	•0	•0	•0	•0	•0	•0		.0	
	TOT S	•0	•0	.5	.3	•1	.0	.0	.2	.0	•0	1.0	
	0-3	.2	•0	•0	. • 2	0	.0	.3	-1	.0	.2		
5<10	4-10	.6	.6		1.5	1.0	.0	.0	,3	.0		4.9	
	11-21	•0	•0	•5	.5	•7	•0	.3	-1	.0		1.7	
	22+ TOT \$	٠0	•0	. • 0	.0	. • 9	•0	.0	٠,٥	.0	_	0	
	101 %		• 6	1.0	2.2	1.7	•0	.5	.:	•0	•2	7.4	
10+	0-3 4-10	1.0	1.6	2.5	3.4	2.2		2.4	1.3	•0	7.1	22.2	
10+						8.1	2.6		6.2	•0			
	11-21 22+	1.1	•2	.7	9.3		.0	.2	2.9	•0		15.1	
	707 %	7.6	5.8	9.1	31.9	.0 11.1	3.4	4.9	10.3	•0		5	
		1.0	248	4.1	31.7	11.1	,.•	7.7	10.5	•0	7.1	11.3	
	TOT DBS	8.5	6.4	10.5	34.4	12.9	3.6	5.4	11.0	.0	7.2	100.0	595

JUNE

PERIUD: (PRIMARY) 1892-1969 (OVER-ALL) 1855-1969

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.65 101.7E

FERCENT	FREQUENCY OF	CFICING	HEIGHTS	(FEET, NH	>4/81	AND
	DCCURRE	NCF OF N	H <5/8 BY	HOUR		

TOTAL OBS	NH <5/8 ANY HGT	TOTAL	8000+	6500 7999	5000 6499	3500 4999	2000 3499	1000 1999	600 999	300 599	150 299	000 149	HOUR (GHT)
13	61.5	38.5	•0	.0	.0	.0	.0	38.5	•0	.0	•0	•0	60300
8	75.0	25.0	•0	.0	•0	•0	25.0	•0	•0	•0	•0	.0	90360
5	100.0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	.0	12615
3	66.7	33.3	•0	•0	•0	•0	•0	.0	33.3	.0	•0	.0	18621
100.0	72.4	27.6	•0	.0	.0	.0	6.9	17.2	3.4	.0	.0	.0	TOT PCT

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					V\$8Y (NH) 3/8Y HOUR	
HDUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CRS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	•0	•0	•0	1.7	9.6	88.7	115	00003	•0	•0	.0	36.5	61.5	13
90360	•0	•0	.0	•0	5.3	94.7	187	90380	.0	.0	.0	25.0	75.0	8
12613	.0	.0	.0	2.9	5,8	91.3	104	12615	.0	.0	.0	•0	100.0	5
18621	.5	.0	1.0	.5	8.9	89.0	191	16221	.0	50.0	100.0	•0	.0	2
TOT PCT	.2	.0	.3	1.0	44 7.4	544 91.1	597 100.0	TOT PCT	.0	1 3.6	7.1	7 25.0	19 67.9	28 100.0

TABLE 13

				14	INCE I	3									TABL	E 14				
	PERCE	T FRE	QUENC	Y DF RE	LATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y DF W	IND DIR	ECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT	N	NE	E	SE	s	SW	×	NN	VAR	CALM
85/89 80/84	•0	:0	•0	•0	8.3	8.3 29.2	37.5	:0	16	16.7	3.1	1.0	13.5	12.5	11.5	4.2	:0	13.5	:0	:0
75/79 TOTAL	•0	.0	•0				12.5			16.7	•0	4.2	6.3	2.1	.0	.0	.0	.0	•0	4.2
PCT	.0	.0	.0	.0	8.3	37.5	50.0	4.2			3.1	5.2	19.8	38.5	11.5	4.2	٠.۵	13.5	.0	4.2

				TAE	FE 15									LABFE	10			
	HEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	HP (DE	GF)	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIPL	84 HD01	ι
HOUR (GHT) 00603 06609 12615 18621 TOT	MAX 89 95 89 90 95	99% 87 91 87 87	95% 85 88 86 85 86	50% 82 83 83 81 82	5% 78 79 78 77 78	1% 76 77 76 76 76	72 74 73 74 72	#EAN \$1.6 \$3.7 82.5 \$1.2 \$2.3	TOTAL DBS 516 1002 493 1034 3045	HQUR (GMT) 00203 00609 12815 18821 TDT	0-29 .0 .0 .0	30-59 •0 •0 •0	60-69 16.7 16.7	70-79 20.0 66.7 66.7	70.0 16.7 16.7 100.0	90-100 10-0 -0 -0	HEAN 84 74 75 86 79	TOTAL OBS 10 6 3

PAGE 034

O. Ö PERIOD: (PRIMARY) 1892-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0001 SQUTHEAST SUMATRA 3.65 101.7E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	77 80	81 84	85 88	TOT	FOG	WD FOG
6	.0	•0	2.9	1	.0	2.9
2	٠.	•0	5.7	2	.0	5.7
0	.0	•0	5.7	2 2	.0	5.7
٥	.0	8.6	2.9	4	.0	11.4
-1	2.9	22.9	2.9	10	.0	28.0
-2	2.9	20.0	.0	8	.0	22.9
-1 -2 -3	.0	8.6	.0	3	.0	8.6
-4	5.7	.0	.0	3 2	.0	5.7
-5	2.9	2.9	.0	2	.0	5.7
-7/-8	2.9	•0	.0	1	.0	2.9
TOTAL	6		7		0	35
		22		35		
PCT	17.1	42.9	20.0	100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FRED DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-30
41-48
49-60
61-70
71-86 1-3 4-10 1-3 4-10 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-22
33-40
41-48
49-20
71-88
-70
71-88 1-3 34-47 -3 4-47

PER IOD:	/nuss		1043-1	040					JUNE				1054	0001	Sallana.	ST SUHATR
PEKTUDI	COVE	(-ALL)	1403-1	404				TABLE	18 (CONT)			AREA		.05 101	
				PC	T FREQ (F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS \$	EA HEIG	HTS (FT	1		
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4=10	11-21	SH 22-33	34-47	48+	PCT	
MG:	1-3	••0	•0	.0	.0	0	.0		.0	4-10	.0	.0	•0	•0	•0	
1-2	·ŏ	.ŏ	.0	:0	.ŏ				ŏ	٥٠	.0	:0		.0	.0	
3-4	.ŏ	15.0		:ŏ	ň	:0	15.0		.0	.0		.0	·ŏ		.ŏ	
5-6	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	•0	.0	.0	
7	.0	.0	.0	.0	.0	•0	.0		.0	.0	.ŏ	.0	•0	.0	•0	
8-9	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	.0	•0	• 0	.0	
10-11	.0	.0	.0	.0	.0	.0	•0		•0	.0	.0	.0	•0	•0	•0	
12	.0	.0	•0	.0	.0	•0	.0		•0	.0	.0	.0	•0	.0	.0	
13-16	.0	.0	.0	.0	.0	•0	.0		•0	.0	.0	.0	•0	.0	.0	
17-19	.0	.0	.0	.0	.0	•0	.0		•0	.0	.0	.0	•0	.0	.0	
20-22	•0	• 0	.0	•0	•0	•0	.0		•0	.0	.0	.0	•0	.0	•0	
23-25	•0	.0	•0	•0	٠,	.0	•0		.0	.0	•0	.0	•0	.0	•0	
26-32	•0	•0	•0	•0	.0	•0	•0		•	.0	•0	•0	•0	.0	•0	
33-40	•0	•0	•0	•0	.0	•0	•0		•	.0	•0	.0	•0	•0	•0	
41-48	٠٥.	.0	•0	•0	•0	٠,0	•0		•:	•0	۰,0	.0	•0	.0	•0	
49-60	.0	.0	•0	•0	.0	•0	•0		•0	:0	.0	.0	•0	.0	•0	
61 -7 0 71 -8 6			•0	•0	•0		•0		•0	.0		•0	•0	.0	.0	
87+	.0	.0	•0	•0	.0	•0	•0		.0	:0	.0	•0	•0	.0		
OT PET	:ŏ	15.0	.0	.0	.0	.0	15.0		.0	ö	.0	.0	.0		.0	
U. P	••		••	••		••	17.0		••	••	•0	••	••		••	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+		PCT
<1	•0	•0	.0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0		
1-2	•0	.0	20.0	•0	.0	•0	20.0		•0	•0	.0	•0	•0	•0		
3-4 5-6	•0	.0	•0	•0	.0	•0	•0		•0	.0	٠.	.0	•0	.0		
7	.0	.0	.0	.0	.0	•0	•0		.0	:0	.0	.0	•0	.0		
8-9	.0	.0	.0	.0	.0	.0	•0		.0	.ŏ	.0	.0	•0	.0		
10-11	.0	:0	.0	.0	.0	.0	•0		ě	ě	.0	:0	.0	.0		
12	٠٥	.0	.0	.0	.0	.0	.0		.0	ŏ		.0	.0	.ŏ		
13-16	ŏ		ĕ	.0	.0	.0	.0		ŏ			:0	•0			
17-19			.0	.0	.0	.0	.0		ŏ		.0		.0	.0		
20-22	ŏ	.ŏ	.ŏ	.0					ŏ	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	•0	•0		.0	.0			•0	.0		
262	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	•0	.0		
33-40	.0	.c	•0	•0	.0	•0	•0		.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	•0	.0	•0	•0		•0	.0	•0	.0	•0	.0		
49-50	.0	.0	.0	•0	.0	•0	•0		•0	.0	•0	.0	•0	.0	.0	
61-70	.0	•0	•0	•0	.0	•0	.0		•0	.0	.0	•0	•0	.0	.0	
71-86	.0	.0	.0	.0	.0	•0	•0		•0	.0	•0	.0	•0	.0		
67+	.0	.0	•0	•0	.0	•0	•0		.0	•0	.0	.0	•0	.0		
OT PCT	.0	.0	20.0	•0	.0	•0	20.0		.0	.0	.0	.0	•0	. 0	.0	100.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	•0	.0	.0	.0	.0	.0	
1-2		20.0	20.0	.ŏ	•0		40.0	
3-4	.0	40.0	•0	.0	.0	.0	40.0	
5-6	.0	.0	20.0	ō	.0	.0	20.0	
7	•0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	•0	. 0	.0	.0	. o	
12	.0	.0	•0	.0	.0	.0	ò	
13-10	.0	• 0	• 0	ō	.0	.0	Ö	
17-19	.0	•0	.0	.0	.0	.0	.0	
20-22	.0	•0	•0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	•0	• C	.0	.0	.0	.0	
41-48	.0	• 0	.0	.0	.0	.0	.0	
49-60	•0	• 0	•0	.0	.0	-0	.0	
61-70	•0	•0	•0	.0	•0	.0	.0	
71-86	• 0	.0	.0	.0	.0	•0	.0	
874	.0	•0	.0	.0	.0	.0	.0	_
TOT PCT	.0	60.0	40.0	.0	•0	•0	100.0	5

PERIOD	(DV	ER-ALL) 194	9-196	9				TABLE	19											
					PERCENT	-REQ	UENCY DI	WAV	E HEIG	HT (F 1	73 VS 1	HAVE P	ERIOD	(SECOY	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1-7	10-11	12	13-16	17~19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
46 6−7	.0	3.8	7.7	3:4	7:7	.0	.0	:0	.0	:0	.0	:0	.0	:0	:0	:8	:0	:0	:0	:	3
8-9	•0	.0	3.8	7.7	7.7	.0	.0	•0	•0	.0		.0	.0	•0		.0	.0	•0	.0	3	•
10-11 12-13	•0	.6	.0	11.5	'. ò	•0	•0	:0	•0	:0	:0	:0	•0		:0	:8	•0	٥٠	:0	ő	·
>13 INDET	•0	11.5	3.8	3.8	.0 3.8	.0	•0	.0	•0	•0	:8	•0	•0		•0	.0	.0	.0	.0	0	4
TOTAL PCT	0	15.4	34.6	30.8	19.2	•	.0	.0	•	.0	.0	0	0	Ŏ	Ō	.0	.0	.0	.0	26 100.0	4

PAGE 03A

G C

・オッサン

0 0

TABLE 1

AREA 0001 SQUTHEAST SUMATRA 3.65 101.6E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	SALL P					DTHER	HEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNDX	OTHE% FRZN PCPN	HAI	PCPN AT OP TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO FCPN PAST HR	SHOKE	SPR BLWG BLWG	DUST	
N	•0	.0	-0	•0	•0	•0	•0	•0	50.0	•0	•0	•0	•0		• 0	50.0
NE	.0	.0	.0	.0	•0	• 0	.0	•0	50.0	•0	٠ŏ٠	•0	•0		•0	50.0
E	.0	17.4	.0	.0	•0	9.	.0	17.4	•0	8.7		ō	•0			73.9
5 E	3.2	6.4	6.4	.0	.0		.0	16.0	•0	6.4	•0	.0	•0		•0	77.6
Š	.0	.0	.0	.ŏ	•0	.0	.0	.0	•0	.0	•0	.0	•0		·ŏ	100.0
Sw	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	•0	.0	•0		.0	100.0
W	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	•0	, ŏ	•0		.0	
Nw	33.3	.0	.ò	.0	•0		.0	33.3	•0			.0	•0		.0	66.7
VAR	.0	.0	.0	.0	.0	.ŏ	.0	.0	.0	, ŏ	.0	.0	.0		.0	.0
CALM	.0	٥.	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0		.0	100.0
TOT PCT	4.7	6.3	3.1	•0	•0	•0	-0	14-1	4.7	4.7	•0	•0	•0		•0	76.6

TABLE 2

PERCENT PREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DAZL	PRIG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	TPDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
06403 06409 12615 18621	4.8 5.0 .0 6.7	9.5 9.0 .0	.0 .0 .0	.0	••	•0	.0	14.3 10.0 .0 26.7	.0 10.0 .6 6.7	9.5 .0 11.1	.0	.0 .0	•0		76.2 80.0 88.9 66.7
TOT PCT	4.6	6.2	3.1	.0	•0	•0	.0	13.8	4.6	4.6	•0	•0	•0	•0	76.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	IÓ 306	BD (KNI	3751								HOUR	(GMT)			
WND DIR	0-3			55-33		48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.4	5.4 4.6	1.0	-1	•0	•0		8.7	7.7 6.4	11.9	33.3	7.3 4.9	4.0	5.2 4.7	•0	10.6	12.5
E	1.6	5.9	2.2	.2	.0	.0		9.9	8.0	14.4	• 6	10.6	3.6	5.2	50.0	10.0	14.8
ŞE	3.3	19.0	10.0		•0	•0		34.2	7.6	34.7	33.3	36.5	34.3	33.1	50.0	34.6	31.9
Šv	1.4	2.7	1.8	•1	:0	•0		10.1	6.4	1.9	33.3	4.3	8.0	14.2	•0	2.6	2.7
M.	1.1	3.2		•1	•	. 0		5.2	7.2	3.7	•0	5.0	9.1	7.2	•0	3.3	2.8
Nu Var	1.6	7.2	3.4	.4	.0	.0		12.8	.0	11.7	•0	13.4	13.9	13.9	•0	11.2	13.1
CALM	8.5		_	-		•••		8.5	.0	5.3	•0	9,9	6.3	11.3	•0	11.9	6.0
TOT OBS	648	1680	484		2	0	3045		7.6	531	3	526	487	497	1	496	502
TOT PCT	21.3	55.2	21.5	2.0	• 1	• 0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE	34

NIQ DIR	0-6	7-10	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDUJ 06 09	(GHT) 12 15	18 21
N	4.1	4.0	.5	•	.0		8.7	7.7	12.0	5.7	5.2	11.6
ME	4.3	2.3	•1	•0	.0		6.6	6.4	11.5	3.6	4.7	7.9
e T	4.7	4.3	3,	.0	.0		9.9	8.0	14.3	7.2	5.3	12.4
ŠE	12.1	17.8	4.2	•	.0		34.2	9.4	34.7	35.4	33.2	33.2
•	5.1	4.5	. 4		.0		10.1	7.6	4.9	13.2	14.2	7.7
Św	2.6	1.4		.0	.0		4.1	6.4	2.1	0.1	5.1	2.7
ű"	3.1	1.8	.3	- 1	.0		5.2	7.2	3.7	7.0	7.2	3.1
ÑW	5.5	6.1	1.2	.2	·ŏ		12.0	à .	11.6	13.6	13.9	12.2
VAR				.0	.0			-0	.0	•••		
		••	••	••	••		8.5		5.2	8.2	11.2	7.3
CALM TOT DBS	1510	1288	232	•	٥	3045	*17	7.6	534	1015	498	998
TOT BET	49.4	42.3	7.6	.3	•0		100.0			100.0		

PERIOD: (PRIMARY) 1891-1969 (OVER-ALL) 1854-1969

TARLE 4

AREA 0001 SOUTHEAST SUMATRA 3.65 101.66

PERCENTAGE	COCALICACY	~=	HEND					
PERCENTAGE	PREUDENCT	ur	MIND	SPECU	51	HUUK	(GPT)	

				WIND	SPEED (KNATS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREG	OBS
00603	5.2	12.7	59.4	21.5	1.1	.0	•0	7.7	100.0	534
06609	8.2	14.9	53.0	21.7	2.2	- 1	.0		100.0	1015
12615	11.2	10.6	52.8	22.9	2.2	. 2	.0		100.0	498
18621	9.3	11.6	56.3	20.5	2.2	.0	.0		100.0	998
TQT	260	388	1680	654	61	2	0	7.6	••••	3045
PCT	8.5	12.7	55.2	21.5	2.0	• 1	٠0		100.0	

TABLE 5

TABLE 6

	CT FRE	C OF T	IATOL Nim ve	CLOUD A	MOUNT ((EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	6 HE:0	HTS (I	T,NH)	4/8)	
WND DIR	0-2	3-4	5-7	8 E 085CD	TCTAL CBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499		8000+		
N	•0	•0	2.3	2.3		7.0	•0	•0	.0	2.3	2.3	•0	•0	•0	•0	•0	•0	
NE	.0	.0	4.7	•0		7.0	• 0	• 0	.0	.0		.0	.0	•0	.0	•0		
E	7.0	4.7	9.3	•0		3.6	•0	•0	ŏ	2,3	.0	•0	٥			• •	4.7	
ŠE	7.0	9.3	26.2	4.7		5.0	• 0	ŏ	ě	2.3	7.0	2.3	ĕ	•0	•0	•0	18.6 35.5	
S	.0	.0	1.7	•0		5.0	•0	•0	.0	.0	•0	.0	-		-	•0		
ŠW	.0	.0	4.7	ěŏ		7.0	ěŏ	.0	ě	2.3	.0	.0	:0	•0	• •	•0	1.7	
<u></u>	.0	.0	.0	.0		•0	•0	•0	.0						•0	•0	2.3	
Nw	.0	2.3	7.0							•0	•0	•0	.0	•0	•0	•0	•0	
VAR						6.0	•0	• 0	•0	•0	•0	2.3	•0	•0	•0	•0	9.3	
	2.3	0	•0	•0		0	•0	• 0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
CALH	٠, ٢	2.3	.0	•0		2.5	• 0	• 0	•0	•0	.0	• 0	• 0	•0	• 0	.0	4.7	
TOT OBS			24	4	43	5.0	0	0	0	4	4	2	0	٥	0	Ô	33	43
TOT PCT	10.3	18.6	55.8	9.3	100.0		•0	• 0	.0	9.3	9.3	4.7	.0	• 0	•0	• 0	76.7	100.C

TABLE 7

CUMULATIVE PCT FREQ DF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NE	•)			
CEILING	• DR	- DR	• OR	= DR	• DR	■ CR	• OR	= OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0	•0	.0	.0	٠,	.0	•0	.0
 DR >5000 	.0	•0	.0	.0	•0	•0	.0	.0
 OR >3500 	.0	.0	.0	.0	•0	.0	.5	.0
 OR >2000 	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7
• DR >1000	9.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0
■ DR >600	16.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
• DR >300	16.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
• DR >150	16.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
• DR > 0	16.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
TOTAL	7	10	10	10	10	10	10	10

TOTAL NUMBER OF GBS: 43

PCT FREQ NH <5/81 76.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCO TOTAL UBS 6.7 13.3 26.7 13.3 15.6 8.9 2.2 8.9 4.4 .0 45

PAGE 038

VSBY (NM) PCP <1/2 NO P							****	rroca i	DF 412	IBILIT	ry	
<1/2 NO P		N N	E E	SE	S	Sw	W	NW	VAR	CALH	PLT	TOTAL OBS
TOT		٠.	0.0	.0	.0	.0	.0	.0	.0	•0	.0	
TOT				.0	.0	.0	٥	.0	.0	.0	.0	
				.0	.0	.0	.0	.0	.0	•0	.0	
PCP			0	.0	•0	.0	.0	•0	.0	•0	.0	
1/2<1 NO P	>CP		0.0	.0	•0	• 0	.0	.0	.0	.0	.0	
101	*	.c .	••	•0	•0	•0	•0	•0	•0	•0	.0	
PCP		٠.		• 9	•0	.0	.0	.0	.0	•0	.0	
1<2 NO P	CP .	٠.	• • •	.0	• 0	•0	.0	•0	.0	•0	.0	
TOT	*	٠ .	0.0	.0	• 0	.0	.0	•0	•0	•0	.0	
PCP		٠.	0.0	.0	.0	.0	.0	.0	.0	•0	.0	
2<5 NO >	CP	٠.	0.0	.0	•0	•0	.0	.0	.0	.0	.0	
TOT	x			.0	•0	.0	.0	.0	.0	.0	.0	
PCP		٠.	0 1.6	6.3	٠0	•0	.0	3.1	.0	• 2	10.9	
5<10 NO P	PCP 3	.1 .	0.0	6.3	4.7	1.6	.0	•0	.0	•0	15.6	
101	x 3	.1 .	0 1 6	12.5	4.7	1.6	•0	3.1	•0	•0	26.6	
PCP		٠.	1.6	1.6	•0	•0	.0	•0	.0	•0	3.1	
10+ ND P				34.8	2.0	3 • 1	.0	6.3	•0	3.1	70.3	
TOT	\$ 3	.1 3.	1 16.4	36.3	2.0	3.1	•0	6.3	.0	3.1	73.4	
707 0												64
TOT P	PCT 4	.3 3.	1 18.0	48.8	6.6	4.7	.0	9.4	•0	3.1	100.0	

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	w	NW	VAR	CALM	PCT	TOTAL
(NH)	KTS	•••		_		-	-			-			085
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	•0	.0	.0	•0	•0		.0	
	22+	.0	•0	•0	.0	•0	•0	.0	•0	.0		.0	
	TOT S	.0	•0	•0	•0	•0	.0	•0	.0	•	•0	.0	
	0-3	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	
1/2<1	4-10	.0	•0	•0	.2	•0	•0	•0	.0	.0		. 2	
	11-21	•0	•0	•0	•0	•0	.0	٠0	•0	•0		.0	
	22*	•0	.0	•0	.0	•0	.0	•0	.0	.0	_	.0	
	TOT S	.0	.0	•0	.2	•0	.0	.0	.0	.0	•0	.2	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	•0	•0	•0	•0	•0	•0	.2	•0	• 0		.2	
	11-21	•0	.0	•0	.0	•0	•0	.0	.0	•0		.0	
	22+	.0	•0	•0	.0	•0	.0	.2	•0	.0	_	.2	
	TOT %	•0	•0	•0	•0	•0	.0	.,	•0	.0	.0	.3	
	0-3	•0	•0	• 0	.0	•0	.0	.0	.0	.0	.3	.3	
2<5	4-10	• 1	•0	.0	•0	•0	٠.	٠,	.3	.0		.3	
	11-21	•1	•0	•0	•0	•¢	•1	• 1	•1	.0		.3	
	22+	.0	.0	•0	.0	.0	.0	:0	.0	:0	.3	1.0	
	TOT \$	• •	••	•0	••	.0	••	••	•••	••	.,	•••	
	0-3	.2	.0	.3	.7	.3	.0	.0	.0	.0	.5	2.0	
5<10	4-10	. 8	• 2	.3	1.4		.3	.6	.6	.0		4.8	
	11-21	• 1	• 1	.2	.3	• 2	.2	•2	• 7	.0		1.0	
	22+	.0	•0	•0	.0	. • 0	٠,٥	.0	. • ?	٠,		2	
	TOT %	1.0	.3		2.4	1.3	.4	. 8	1.4	.0	.5	1,1	
	0-3	1.5	2.3	2.1	2.0	2+1	1.0	.8	1.5	•0	5.5	18.8	
10+	4-10	4.7	3.7	6.9	19.0	7.8	2.4	2.5	5.1	•0		52.2	
	11-21	•7	.0	1.0	13.0	1.5	•5	.3	1.8	•0		18.5	
	22+	•0	.0	0	0	•0	0	.2	.0	•0		89.7	
	TOT \$	6.8	•.0	10.0	34.1	11.5	3.6	3.8	8.4	•0	5.5	04.1	
7	nt OSS												600
1	TOT PCT	8.0	6.3	10.6	36.7	12.8	4.1	4.9	10.2	.0	6.3	100.0	

J	ш	١

PERIOD: (PRIMARY) 1891-1969 (OVER-ALL) 1854-1969

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.65 101.68

PERCENT	FREQUENCY (OF CFIC	ING HEI	GHTS (FEE	T>NH >4/8)	AND

HOUR (GHT)	000 149	150 299	300 599		1000 1999		3500 4999			6000+	TOTAL	NH <5/8 ANY HGT	TCTAL OBS
00003	.0	.0	•0	6.7	13.3	6.7	.0	.0	.0	•0	26.7	73.3	15
90360	.0	.0	.0	•0	7.i	.0	.0	.0	.0	•0	7.1	92.9	14
12615	.0	•0	.0	16.7	•0	•0	.0	.0	.0	.0	16.7	83.3	6
19621	.0	•0	•0	22.2	11.1	11.1	.0	•0	.0	•0	44.4	55.6	9
TOT PCT	.0	.0	ں • ہ	9.1	9.1	4.5	.0	.0	0	0	10	34 77.3	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y VSBY	(NH)	BY HOUR		CUNULAT					(KM) YBZV RUCH YB<	
HQUR (GMT)	<1/2	1/2<1	142	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	•0	. 9	•e	1.8	9.9	87.4	111	00603	•0	•0	6.7	20.0	73.3	15
90340	•0	.0	.5	.5	6.7	92.2	193	90360	•0	•0	.0	7.1	92.9	14
12615	•0	.0	.0	.0	9.9	90.1	101	12615	•0	.0	20.0	•0	20:0	5
18821	.0	.0	.5	1.5	10.2	87.8	196	18621	.0	.0	22.2	22.2	55.6	9
181 PCT	0	1	3	. 6	54	538	601	101	0	0	4	. 6	33	43

TAR: E 13

TABLE 1A

				,	warf r	,									TABL	E 14				
	PERC	ENT FR	EQUENCY	Y OF R	ELATIV	E HUMII	DITY B	Y TEMP	TOTAL	PCT		PE1 C	ENC FR	EQUENC	Y OF W	IND DI	RECTIO	IN BY T	EMP	
TEMP F	0-59	30-39	40-49	50-59	60-69	70-79	80-89	90-100		PREQ	N	NE	E	SE	S	5¥	W	NW	VAR	CALM
90/94	,0	.0		.0	2.0	.0	.0	.0	1	2.0	.0	٠, ٥	2.0	.0	.0	.0	.0	.0	.0	.0
83/89	.0	.0	• • •	•0	.0	6.1	.0	.0	3	6.1	.0	.0	•0	.5	1.5	.0	.0	2.0	•0	2.0
80/84	.0	.0	• • •	•0	.0	40.8	32.7	2.0	37	75.5	2.0	4.1	10.2	46.9	.0	2.0	.0	1.2	.0	2.0
80/84 75/79	.0			•0	.0	.0	10.2	6.1		16.3	4.1	.0	2.0	6.1	.0	2.0	.0	2.0	.0	- 0
TOTAL	0		0	0	1	23	21	4	49	100.0					-		• •			
PCT	.0	.0	• •	•0	2.0	46.9	42.9	8.2			6.1	4.1	14.3	53.6	1.5	4.1	.0	12.2	•0	4.1

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCE	ITILES	OF TE	IP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDITY	BY HOU	t
HOUR (GMT)	MAX	99%	95x	50%	51	1*	HIN	HEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL 085
00203	90	87 90	85 87	81 83	77 7 9	75 76	72 74	\$1.1 \$3.2	530 992	E0300	•0	•0	6.7	47.1	41.2	11.8	81 77	17
12815	89 92	86 86	85 84	82 81	70 76	76 75	74 73	\$1.9 \$0.7	489 984	12615 18621	.0	•0	•0	25.0	50.0	8.3	79 82	6 12
TOT	73		86	82	77	75	72	81.8	2995	TOT	0	0	1	23	22	4	80	50

PAGE 040

•

0 0

JULY

PERIOD: (PRIMARY) 1891-1969 (OVER-ALL) 1854-1969

TABLE 17

AREA 0001 SQUTHEAST SUMATRA 3.65 101.6E

1

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F) TOT AIR-SEA 77 60 81 64 85 88 89 92 WO FOG 73 76 W FOG 1 5 8 14 15 6 7 00000000000

1.7 3.3 1.7 8.3 13.3 23.3 25.0 10.0 .0 1.7 .0 1.7 .0 3.3 1.7 .0 1.7 .0 .0 .0 .0 .0 .0 7/8 3 2 1 0 -1 -2 -3 -4 -0 TOTAL 100.0 PÇT

PERIOD: (DVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) -47 4-10 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-3 HGT
:1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-29
20-32
20-32
41-48
49-60
61-70
71-86
87TOT PCT 1-3 11-21 .0 20.0 40.0 .0 .0 .0 .0 .0 4-10 *** 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-14
17-19
20-22
23-25
26-92
26-92
41-48
49-40
61-70
71-86
TPCT PCT 1-3

								J	ULY				4054	0001	Smirues	ST SUHATRA
PERIOD:	(DVE	-ALL)	1403-1	909				TABLE 18	(CONT)				ANEA		65 101	
				P¢	T FREQ 0	F WIND	SPEED	(KTS) AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)			
				\$	-					4-10		SW	34-47	48+		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT •0		1-3	•0	11-21	22-33	•0	•••	PCT •0	
<1 1-2	.0	.0	•0	•0	.0	.0	.0		.0	.0	.0	•0		.0	ě	
3-4	:0	:0	:0	.0	.0	.ŏ	.0		ŏ	ě	ŏ		.0	ŏ	.0	
5-6	ŏ		.0		.0	.0	.0		• 0	.0	.0	•0	•0	.0	.0	
7	.0	.0	•0	•0	.0	.0	.0		•0	.0	.0	•0	•0	•0	•0	
8-9	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	•0	•0	.0	.0	
10-11	.0	.0	•0	•0	.0	•0	.0		•0	•0	•0	•0	•0	•0	.0	
12	•0	.0	•0	•0	,0	.0	•0		•0	•0	.0	•0	•0	•0	•0	
13-16	.0	٠,	•0	•0	• 0	٠0	•0		•0	•0	•0	.0	•0	.0	.0	
17-19	.0	.0	•0	•0	•0	.0	•0		•0	.0	•0	•0	•0	.0	.0	
20-22	.0	.0	•0	•0	••	.0	•0		•0	.0	.0	•0	•0	.0	.0	
23-25	•0	.0	•0	•0	.0	.0	•0		.0	ŏ	.0	.0	•0		ĕ	
26-32 33-40	.0	.0	•0	•0	.0	.0	.0		•0	.0	•0	.0	•0	.0		
41-48		·ŏ	.0	·ŏ	ě		.0		Ö	.0	.ŏ	.ŏ	•0	.0	Ö	
49-60	.0		.0	.0	. ö	.0	.0		.0	.0	.0	.0	•0	.0	.0	
61-70		.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
71-86	.0	.0	.0	•0	.0	.0	•0		.0	.0	.0	.0	•0	.0	.0	
87+	.0	.0	•0	.0	.0	.0	.0		• 0	.0	.0	•0	•0	.0	.0	
TOT PCT	.0	.0	•0	.0	.0	.0	•0		•0	•0	.0	.0	•0	.0	.0	
				w								NW				TOTAL
нат	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	•0		.0	.0	•0	.0	•0	.0	•0	
5-6	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
7_	• 0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
8-9	.0	.0	•0	.0	•0	.0	•0		•0	.0	•0	•0	•0	.0	.0	
10-11	.0	.0	•0	.0	•0	•0	•0		.0	.0	.0	•0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		ő	:0	•0	:0	:0	ĕ	.0	
17-19	.0	.0	.0	.0	.0	:0	.0		ŏ	.ŏ	.0	.0	.0		ě	
20-22	.0	.0	•0	.0	.0		.0		.0	·ò	.0	.0	• 0	.0	.0	
23-25	:0	.0	.0	.0	.0		•0		.0	.0	•0		•0	.0	•0	
26-32		.0	.0	.0	.0	•0	•0		• 0	.0	•0	•0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	•0	•0	.0	•0	
41-48	.0	•0	•0	.0	.0	•0	•0		•0	.0	• 0	•0	•0	.0	•0	
49060	.0	.0	+0	.0	.0	•0	•0		•0	•0		•0	•0	•0	•0	
61-70	.0	•0	•0	.0	•0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
71-86	•0	.0	•0	.0	•0	•0	•0		.0	•0	.0	•0	.0	.0	•0	
87+	.0	.0	•0	.0	.0	•0	.0		.0	.0		•0	•0	.0	•0	100.0
TOT PCT	.0	.0	•0	.0	•0	••	••		•0	••	••	••	••	••	••	

WIND SPEED (KTS) VS SEA HEIGHT (FT) 48+ PCT
.0 20.0
.0 40.0
.0 40.0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0 11-21 22-39 34-47 <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-46 61-70 71-86 20.0 .0 29.0 40.0 .0 .0 .0 .0 .0 101 PCT 60.0 40.0

PERIOD: (OVER-ALL) 1949-1969 TABLE 19 PPRCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 9-60 61-70 71-86
.0 .0 .0 .0
.0 .0 .0 .0
.0 .0 .0 .0
.0 .0 .0 .0
.0 .0 .0 .0
.0 .0 .0 .0
.0 .0 .0 .0
.0 .0 .0 .0 707AL 3 20 10 0 2 0 1 36 100•0 MEAN HGT 3 5 6 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 :13 INDET TOTAL PCT \$7+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-2 5.6 .0 .0 .0 .0 30.6 5.6 .0 2.8 .0 .0 11-1 2-8 .0 .0 .0 .0 2.8 2.8 2.8 0 2.8 2.8 8.3 11.1 .0 .0 .0 0000000000 000000000 5.6 000000000 000000000 0000000000 .0000000000

PAGE 042

 $\langle \rangle$ n

C C

TABLE 1

AREA 0001 SOUTHEAST SUMATRA 3.65 101.6E

PERCENT	FREQUENCY	OF	WFATHER	OCCURRENCE	BY	MIND	DIRECTION	

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	CRTL	FR7G PCPN	SNOW	GTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS' BLWG SNO	
N	•0	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	+0	•0	100.0
NE	.0	.0	28.6	.0	•0	.0	.0	28.6	•0	.0	• 0	.0	•0	•0	71.4
E	.0	.0	93.3	.0	.0	.0	.0	33.3	•0	.0	.0	.0	•0	•0	66.7
SE	.0	11.6	5.8	.0	-0	.0	.0	17.4	• 0	.0	• 0	.0	•0	•0	82.6
5	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	• 0	100.0
Sw	• 0	.0	.0	.0	.0	.0	.0	•0	•0	.0	•0	.0	•0	•0	100.0
W	57.1	.0	.0	.0	•0	.0	٠č	57.1	•0	.0	• 0	.0	·ŏ	•0	42.9
Nh	16.7	.0	.0	.0	.0	.0	• 0	16.7	33.3	.0	• 0	•0	•0	• ?	50.0
VAR	-0	.0	.0	.0	•0	.ŏ	.0	•0	•0	.0	·ŏ	.0	•0	.0	.0
CALM	.0	33.3	.0	.0	•0	.0	.0	33.3	•0	.0	.0	.0	.0	.0	66.7
TOT PCT TOT CBS:	4.8 42	7.1	9.5	•0	-0	•0	•0	21.4	4.8	•0	•0	•0	•0	•0	73.8

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	CITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	8.3 .0 11.1	16.7 .0 .0 11.1	8.3 8.3 .0 22.2	.0	•••	.0	.0	25.0 16.7 .0 44.4	8.3 8.3 .0	.0	.0	.0	•0	•0	66.7 75.0 100.0 55.6
TOT PCT	4.7	7.0	9.3	•0	•0	•0	•0	20.9	4.7	•0	•0	•0	•0	•0	74.4

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wil	D SPE	EC (KN	DTS)								HOUR	(G4T)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	.8	3.4 3.5	.9	•1	•	•0		5.3 4.8	8.1	7.5 9.3	•0	4.6 2.1	1.5	2.3	25.0	7.3	8.6
E Se	1.2	18.0	1.9	3.3	•0	.0		43.1	8.4	13.0	•0	8.8	3.2 42.5	6.5	.0	9.9	12.2
S Su	1.2	7.8	4.7	.6	.0	.0		14.4	10.0	8.1	•0	14.8	24.4	17.8	:0	12.7	42·1 8·7
W Na	1.1	2.8	2.1	.1	•0	••		3.8	8.0	2.8	•0	3.2	6.6	5.5	•0	2.4 4.7	3.6
VAR CALH	.0	•0	.0	.0	•	•0		.0	9.1	8.6	•0	10.4	8.8	•0	25.0	8.8	8.7
TOT CBS	459	1490	.933	154	6	0	3042	6.1	9.5	4.5 513	•0	5.7 524	505	9.1 508	•0	7.6 489	500
TOT PCT	15.1	49.0	30.7	5.1	• 2	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

					TAB	LE 3A						
WND DIR O	-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 50	HBU: 06 09	(GHT) 12 15	18 21
NE 3. E 4. SE 9. S 4. SW 2. NW 2. VAR	.5	1.9 1.4 3.6 22.9 7.7 1.6 1.9 3.9 .0	.5 .1 .9 10.4 2.1 .2 .3 1.2 .0	.1 .7 .1 .0 .0 .1		3042	5.3 4.8 8.9 43.1 14.4 3.8 4.4 9.2 .0 6.1	8.1 6.3 8.4 11.9 10.0 7.1 8.0 9.1 .0	7.5 9.2 13.0 44.4 8.1 1.8 2.8 8.8 .0 4.5	3.1 1.5 6.0 44.7 19.5 5.6 5.0 9.6 5.0 1029	2.4 2.2 6.5 42.1 17.7 5.4 9.4 9.0 510	8.0 7.5 11.1 41.2 10.7 2.1 4.1 8.7 .0 6.7 989

PERIOD: (PRIMARY) 1894-1969 (OVER-ALL) 1860-1969

TARLE 4

AREA GOO1 SOUTHEAST SUMATRA 3.65 101.6E

PERCENTAGE FR	REDUENCY	OF	HIND	SPEED	B.V	HUIS	(CHT)

HOUR	CALM	1-3	4-10	11-5; RIND	SPEED (KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00803	4.5	9.3	51.2	30.0	4.5	.6	.0	9.5	100.0	514
90200	5.0	9.6	47.7	31.6	5.8	.3			100.0	1029
12615	9.0	7.8	47.8	29.2	6.1	•0	•0		100.0	510
18221	6.7	8.7	49.7	30.8	4.0	•0	•0	9.4	100.0	989
TOT	186	273	1490	933	154	6	0	9.5	-	3042
PCT	0.1	9.0	47.0	30.7	5.1	.2	•0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		E (GHTHS)		1					CEILIN					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL DBS	HEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N	3.0	.0	.0	•0		2.0	•0	•0	.0	.0	.0	.0	.0	. 3	.0	.0	3.0	
NE	1.0	.0	.0	•0		2.0	•0	•0	.0	.0	.0	•0	.0	.0	•0	.0	1.0	
E	.0	.0	11.0	•0		6.3	•0	•0	.0	.0	. 0	.0	.0	•0	•0	.0	11.0	
ŠĒ	.0	4.0	29.0	16+0		6.0	•0	•0	.0	4.0	12.0	8.0	.0	+0	•0	.0	25.0	
Š	.0	4.0	3.0	•0		3.2	•0	• 0	.0	•0	3.0	.0	.0	•0	•0	.0	4.0	
SW	1.0	.0	1.0			4.5	•0	•0	.0	•0	1.0	•0	.0	•0	.0	.0	1.0	
W	3.0	.0	•0	• 0		2.0	•0	•0	.0	• 0	.0	•0	.0	•0	•0	.0	3.0	
NW	.0	.0	4.0			7.6	•0	• 0	. 0	•0	.0	•0	.0	•0	•0	.0	12.0	
VAR	.0	.0	•0	•0		•0	•0	•0	. 0	.0	.0	.0	.0	•0	•0	.0	•0	
CALM	.0	4.0	•0	8.0		6.3	•0	•0	.0	4.0	.0	•0	.0	•0	•0	.0	8.0	
TOT DAS	ž	3	12		25	5.9	Ŏ	Ö	Ö	2	- 4	2	Ò	ō	ě	ò	17	25
TOT PCT	8.0	12.0	48.0	32.0	100.0		•0	• 0	.0	8.0	16.0	8.0	.0	•0	•0	.0	68.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	• OR	• CR	. DR	# DR	- DR	• OR	· DR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	.>0
- DR >6500	.0	.0	.0	.0	.0	.0	•0	.0
● DR >5000	•0	.0	.0	.0	.0	•0	•0	۰,0
■ DR >3500	.0	•0	.0	.0	.0	.0	-0	.0
= DR >2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
■ DR >1000	15.4	15.4	23.1	23.1	23.1	23.1	23.1	23.1
■ DR >600	23.1	23.1	34.6	34.6	34.6	34.6	34.6	34.6
■ DR >300	23.1	23.1	34.6	34.6	34.6	74.6	34.6	34.6
■ DR >150	23.1	23.1	34.6	34.6	34.6	34.6	34.6	34.6
# DR > 0	23.1	23.1	34.6	34.6	34.6	34.6	34.6	34.6
TOTAL		A						

TOTAL NUMBER OF OBS: 26

PCT FREQ NH <5/81 65.4

TABLE 7A

PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD OBS .0 14.3 21.4 14.3 17.9 17.9 .0 7.1 7.1 .0 28

PAGE 044

c c

0 0

 PERIODI (PRIMARY)
 1894-1969
 AREA DOOL SOUTHEAST SUNATRA (CVER-ALL)
 1860-1969
 TABLE 6
 3.65 101.6E

		P	ERCENT		OF WIND								E OF
VSBY (NN)		k	HE	E	SE	s	Sw	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
•	TOT %	.0	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0	
	PCP	•0	.0	•0	•0	• 0	۰٥	.0	.0	.0	•0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0	.0	
	TOT %	•0	•0	•0	•0	• 0	•0	.0	•0	.0	•0	.0	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
1<2	NO PCP	.0	.0	.0	.0	• 0	• 0	.0	•0	.0	•0	.0	
	TOT \$.0	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0	
	PCP	.0	1.2	6.0	7.1	•0	•0	.0	2.4	.0	2.4	19.0	
2<5	NO PCP	.0	.0	.0	.0	• 0	•0	.0	.0	.0	.0	.0	
	TOT %	.0	1.2	6.0	7.1	•0	•0	.0	2.4	•0	2.4	19.0	
	PCP	.0	•0	•0	•0	•0	•0	2.4	•0	.0	•0	2.4	
5<10	NO PCP	1.2	.0	• 0	.0	• 0	• 0	.0	3.6	.0	•0	4,8	
	TOT #	1.2	•0	• 0	•0	•0	•0	2.4	3.6	•0	•0	7.1	
	PCP	.0	.0	.0	.0	•0	• 0	.0	•0	.0	.0	.0	
10+	NO PCP	3.0	3.0	11.9	33.9	6.0	1.2	1.6	8.3	.0	4.8	73.6	
-	TOT \$	3.0	3.0	11.9	33.9	6.0	1.2	1.8	8.3	.0	4.8	73.8	
	TOT DBS												42
	TOT PCT	4.2	4.2	17.9	41.1	6.0	1.2	4.2	14.3	.0	7.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIPECTION VS WIND SPEED WITH VARYING VACUES OF VISIBILITY

					#410 V	WW 1 1 110	AMPORT	, 0, 1,	31011				
VSBY (NM)	SPO KTS	N	NE	E	SE	S	SW	Ħ	NW	VAR	CALH	PCT	TOTAL OBS
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.c	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	•0	•0	.0	•0	•0	•0	• 0	•0	•0	•0	.0	
	0-3	.0	-0	•0	.0	.0	.0	.0	.0	•0	•0	.0	
1/2<1	4-10	.0	•0	.0	.0	.0	.0	.1	. 1	.0		.2	
	11-21	.0	.0	•0	.0	.0	.0	•0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	•0	•0	.0	•0	-0	• 1	•1	.0	•0	.2	
	0-3	•0	•0	•0	•0	•0	•0	•0	•0	.0	.0	.0	
1<2	4-10	•2	• 2	•0	•0	•0	.0	- 2	• 2	.0		.7	
	11-21	.1	•0	.0	.0	. 1	-1	. 2	.1	.0		.5	
	22+	.ŏ	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	-2	•2	-0	•0	.1	-1	. 3	. 2	.0	•0	1.2	
	0-3	.0	.0	•0	•0	•0	.0	.0	.0	.0	.2	.2	
2<5	4-10	-1	٠ż	• 2	•0	.0	. 2	.2	. 2	.0		1.2	
	11-21	. 2	.0	.3	1.2	.0	, 5	.0	.0	.0		1.7	
	22+	•0	•0	•0	•0	•0	•0	•0	•0	•0		•0	
	TOT \$	• 2	• 2	. 6	1.2	•0	• 2	• 2	• 2	.0	•2	3.0	
	0-3	.2	.0	•0	•0	.0	.0	•0	.2	.0	.0	.3	
5<10	4-10	.3	• 2	.2	1.4	.5	.0	٠,	.3	.0		3.0	
	11-21	.1	.0	•0	4.7	. 9	• 2	• 2	• 1	.0		0.1	
	22+	.0	•1	• 2	.7	.2	.0	•0	•0	.0		1.2	
	TOT #	.6	• 2	.5	6.8	1.6	• 2	-2	.6	•0	•0	10.6	
	0-3	1.0	1.0	1.2	2.0	.6	.7	.7	1.0	.0	3.3	11.6	
10+	4-10	1.9	1.4	4.1	17.5	8.6	2.2	1.5	3.8	.0		41.5	
	11-21	.7	•0	1.0	22.0	5.4	•0	• 1		.0		29.7	
	22+	.0	.ŏ		1.6	.4	.0	.0	.0	, ŏ		2.3	
	TOT %	3.6	2.9	6.8	42.8	15.0	3.0	2.3	5.4	.0	3.3	45.1	
	TOT ORS												603
	TOT PCT	4.7	3.5	7.9	50.8	16.7	3.4	3.0	6.6	٠,٥	3.5	100.0	

PERIOD: (PRIMARY) 1894-1969 (DVER-ALL) 1860-1969

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.65 101.6E

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET, NH	>4/81	AND
	OCCUBBE	NE ME M	U /E/A DI	LOUB		

HOUR (GMT)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 3499	6500 7999	\$000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	22.2	11.1	.0	.0	.0	.0	.0	33.3	66.7	9
90380	.0	•0	•0	•0	16.7	•0	.0	•0	•0	•0	16.7	83.3	6
12615	.0	•0	.0	12.5	12.5	25.0	.0	.0	• ?	•0	50.0	50.0	8
13621	.0	•0	•0	•0	20.0	•0	.0	.0	.0	•0	20.0	80.0	5
TOT PCT	0	.0	0	10.7	16.3	2 7.1	0	0	0	0	9	19	28

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	< 1/2	1/2<1	162	2<5	5<10	10+	TCTAL CBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
E0300	•0	•0	.9	3.6	14.5	80.9	110	00203	•0	.0	37.5	•0	62.5	8
06609	•0	.0	1.0	1.0	6.0	92.0	199	90340	•0	.0	.0	16.7	83.3	6
12615	.0	1.0	.0	2.0	13.1	83.8	99	12615	.0	.0	14.3	42.9	42.9	7
18821	• 5	.0	2.C	5.1	11.7	81.1	196	18621	.0	•0	40.0	• 0	60.0	5
TOT PCT	.0		7 1.2	1 8 3.0	64 10.6	514 85.1	604 100.0	TOT PCT	0	0	23.1	15.4	16	26

TABLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y 0F R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT FREQ	N	٩E	E	SE	s	SH	₩	NW	VAR	CALM
90/94 80/84 75/79 TOTAL	••	.0	•0	•0	4.3	43.5 .0	30.4 8.7	.0 0 8.7 2	4	4.3 78.3 17.4 100.0	3.3 .0	1.1	12.0	4.3 32.6 8.7	6.5	2.2	3.3 .0	8.7 4.3	.0	8.7 4.3
PCT					8.7						3,3	1.1	12.0	45.7	6.5	2.2	3.3	13.0	.0	13.0

														INDLE	10			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) E	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIHL	BY HOUS	1
HOUR (GHT)	MAX	99%	95%	50%	51	1%	HIN	MEAN	TOTAL OBS	HDUR (GHT)	0-29	30-59	60-69	70-79	80-69	90-100	HEAN	TOTAL
£0300 £03 00	87 91	86 90	85 87	81 83	76 79	74 76	71 73	80.7 02.7	505 1001	£0300	•0	•0	33.3	33.3	66.7	•0	62 74	6
12615	89 87	87 85	85 83	81 80	77 76	76 74	74 70	81.3 80.2	502 976	12615	•0	•0	•0	37.5	50.0 25.0	12.5	83 83	6
TOT	91	87	66	8;	77	75	70	81.3	2984	TOT	0	Ö	2	10	10	2	81	24

PAGE 046

C £.

9 **つ**

PERIOD: (PRIMARY) 1894-1969 (OVER-ALL) 1860-1969

TABLE 17

AREA 0001 SQUTHEAST SUMATRA 3.65 101.6E

PCT	FREQ	0*	AIR	TEMPERATURE (DEG F	AND	THE	OCCURRENCE	OF	FOG	TUDHTIWS	PRECIPITATIONS	
			-	VS AIR-	SEA TI	EMPER.	ATUR	E DIFFERENCE	E ((DEG F	=)		

AIR-SEA	73	77	81	85	69	TOT	H	₩Q
THP DIF	76	80	84	88	92		FOG	FCG
4	.0	•0	.0	.0	2.6	1	•0	2.6
3	.0	.0	2.6	.0	.0	1	.0	2.6
1	.0	.0	2.6	.0	.0	1	.0	2.6
1	.0	.0	15.8	2.6	.0	ž	.0	18.4
-i	.0	7.9	18.4	.0	.0	10	•0	26.3
~2	.0	10.5	15.0	.0	.0	10	•0	26.3
~2 -3	.0		5.3	.0	.0	ž	•0	5.3
-4	.0	7.9	.0	.0	.0	3	• 0	7.9
~5	.0	2.6	.0	.0	.0	1	.0	2.6
-6	.0	2.6	.0	.0	.0	i	•0	2.6
-7/-8	2,6		.o	.0	.0	ī	.0	2.6
TOTAL	1	- •	23	••	1	_	ŏ	38
	-	12		1		38		
PCT	2.6	31.4	60.5	2.4	2.6	100-0		100-0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

				PC	T FREQ 0	F WIND	SPEED	(KTS) A	NO DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
1-2	.0	.0	.0	•0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
3-4	.0	.0	•0	.0	.0	• • •	.0		.0	.0	.0	•0	.0	.0	.0
5-6	•0	.0	•0	-0	.0	.0	.0		•0	.0	.0	.0	•0	.0	•0
7	.0	.0	•0	.0	•0	.0	•0		•0	•0	.0	•0	•0	•0	•0
8-9	.0	.0	•0	•0	•0	.0	•0		.0	•0	.0	•0	•0	•0	.0
10-11	.0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	•0	•0
12	•0	.0	•0	•0	•0	-0	•0		•0	•0	.0	•0	•0	.0	.0
13-16	•0	.0	•0	•0	•0	•0	.0		•0	•0	.0	•0	•0	•0	•0
17-19	.0	٠,	•0	•0	•0	-0	.0		•0	•0	.0	.0	•0	.0	•0
20-22	.0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	.0	•0
23-25	•0	.0	•0	•0	•0	.0	.0		•0	•0	.0	•0	•0	•0	.0
26-32	٠.	٠.	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	•0	•0
33-40	•0	.0	•0	•0	•0	•0	•0		•0	• 0	.0	•0	•0	•0	•0
41-48	•0	.0	•0	-0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0
49-60	.c	.0	•0	•0	•0	•0	•0		•0	.0	•0	•0	•0	.0	•0
61-70	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0
71-86	•0	.0	•0	•0	٠٥	•0	•0		•0	•0	.0	•0	•0	•0	.0
87+	•0	.0	•C	•0	•0	•0	•0		•0	•0	.0	.0	•0	•0	.0
TOT PCT	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
=				£								SE		4.4	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•0	.0	•0	•0	•0	•0	•0		•0		.0	•0	•0	•0	0
1-2	•0	.0	•0	•0	•0	•0	•0		•0	33.3	.0	•0	•0	.0	33.3
3-4	.0	.0	•0	•0	••	•0	•0		•0	•0		•0	•0	.0	0
5-6	.0	.0	•0	•0	•0	•0	•0		•0	•0	33,3	•0	•0	•0	33.3
7 1-9	.0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	.0	•0
10-11	•0	.0	•0	•0	•0	•0	•0		•0	.0	.0	•0	•0	.0	•0
	•0	.0	•0	•0	••	•0	•0		•0		•0	•0			•0
12 13-16	.0	.0	•0	•0	•0	•0	.0		•0	•0	.0	•0	•0	•0	•0
17-19	:0	.0	•0	.0	.0	:0	:0		٥	:0	.0	•0	.0	:0	.0
20-22	.0	.0	•0	.0	.0	.0	.0		.0	•0	.0	.0	•0		.0
23-25	:0	.0			.0	.0	:0		•0	••	.0	.0	•0	.0	.0
26-32	:0	.0	•0	•0	.0	.0	:0		•0	.0		.0	•0	:0	.0
33-40							•0		•0	:0	.0		•0	:0	•0
	•0	.0	•0	• 0	•0	•0				.0		•0	•0		
41-48	•0	•0	•0	•0	•0		•0		•0	•0	•0	•0		•0	••
49-60	•0	.0	•0	•0	•0	•0	•0		•0		•0	•0	•0	•0	•0
61-70 71-86	•0	.0	•0	•0	•0	• 0	•0		•0	•0	•0	•0	•0	•0	•0
	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	.0	•0	•0	•0
87+ TOT PCT	•0	•0	•0	•0	•0	•0	•0		•0	33.3	33.3	•0	•0	•0	46.7
TOT PET	•0	•0	۰0	•0	•0	•0	•0		•0	35.3	33.3	•0	•0	•0	wo. /

PERIOD:	/nve		1043-1	040				AU	SUST				4954	0001 5	OUTER	ST SUMATRA
PENTOU	1016	*- 4 667	4703-4	,,,,,				TABLE 18	(CONT)			AVER		5 101	
				PC	T FREQ (F WIND	SPEED	(KTS) AN	DIRE	TION	VERSUS S	EA HEIC	HTS (FT)		
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT		1=3	4-10	11-21	SN 22-33	34-47	48+	PCT	
<1	.0	.0	•0	•0	.0	.0	.0		.0	.0		•0	•0	.0	.0	
1-2	.0	25.0	•0	•0	•0	•0	25.0		.0	8.3		.0	•0	.0	0.3	
3-4	.0	•0	.0	•0	•0	•0	•0		•0	.0	• • •	•0	•0	•0	•0	
5-6	•0	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
8 - 9	.0	.0	•0	•0	•0	•0	•0		•0	•0		•0	•0	• ŏ	•0	
10-11	.0	.0	.0	.0	•0	.0	•0		.0	.0		• C	•0	•0	.0	
12	.0		•0	.0	.0	.0	.0		.0	.0			•0	.0	.0	
13-16	ŏ	.0	•0	.0	.0	•	•0		.0	•0		.0	•0	:0	:ŏ	
17-19		.ŏ	ŏ	:ŏ	٠٥	.ŏ			.0	.ŏ			·ŏ			
20-22	.0	.0	.0	.0	.0	.0	.0		. 0	.0		•0	•0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		•0	•0	.0	.0	
26-32	.0	.0	•0	.0	.0	.0	.0		.0	.0		.0	•0	.0	.0	
33-40	.0	.0	•0	.0	.0	•0	.0		•0	• 9		.0	.0	.0	.0	
41-46	.0	.0	.0	.0	•0	.0	•0		.0	.0		•0	•0	٠.0	.0	
49-60 61-70	.0	.0	•0	.0	•0	٠0	.0		•0	•0		•0	•0	•0	•0	
71-86	.0	.0	•0	.0	.0	•0	.0		.0	.0		•0	•0	.0	.0	
87+	.0		.0	.0	.0	.0	•0		.0	.0		.0		.0	.0	
TOT PCT	.ŏ	25.0	.0	.0	.0	.0	25.0		.0	8.3		.0	•0	.0	8.3	
101 701	••	23.0	••	••	••	••	27.0		••	•••	0	•0	••	.0	0.0	
нст	1-3		11-21	W 22-33								NW				TOTAL
MGT <1	.0	4-10			34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
1-2	.0	.0	•0	.0	.0	.0	.0		.0	.0		٥.	•0	.0	.0	
3-4	.č	:ŏ	:0	:0	.0	:0	.0		.ŏ			.0	•0	:0	.0	
5-6		.0	ě	.0	.0	.0	.0		ě	.0		.0	•0	.ŏ	.0	
7		.0	.0	.0	ŏ				٠ŏ			.0		.0		
8-9	. 0	.0	•0	.0	.0	.0	.0		.0	.0			•0	.0	.0	
10-11	.0	.0	•0	.0	.0	.0	.0		.0	.0		•0	•0	.0	.0	
12	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
13-16	•0	.0	•0	•0	• 0	.0	.0		.0	•0		.0	• 0	.0	.0	
17-19	.0	.0	•0	.0	•0	•0	•0		•0	.0		.0	٠,٥	.0	•0	
20-22	- ?	.0	•0	.0	.0	.0	•0		•0	•0		•0	.0	•0	•0	
23-25	.0	.0	•6	•0	•0	•0	•0		•0	.0		•0	•0	•0	•0	
33-40	.0	.0	•0	•0	•0	•0	•0		•0	• 0		•0	•0	•0	•0	
41-48	.0	.0	.0	٠,	•0	.0	•0		•0	• 0		•0	•0	.0	.0	
47-60	.0		•0	:	•0	.0	•0		•0			•0	•0	•0	•0	
61-70		.0	•0			.0	•0		ň			:0	•0	ŏ	.0	
71-86	.0	.0	.0	•0		•0	.0		.0	.0			•0	.0		
87+	.0	.0	•0	.0	.0	.0	.0		.0	.0			•0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	•0	.0	.0	100.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HOT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.0	25.0	.0	.0	.0	.0	25.0	493
1-2	.0	50.0	• 0	.0	.0	.0	50.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	•0		25.0		•0	.0	25.0	
7	.ŏ	.0	0	ŏ	.0	.0		
8-9	ě	.0		ŏ	.0			
10-11	.0	.0	.0	.0	.0	.0	ŏ	
12					.0			
13-16	•0	•0	•0	•0		.0	•0	
	•0	•0	.0	•0	•0	.0	•0	
17-19	•0	•0	.0	.0	.0	.0	.0	
20-22	•0	•0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	•0	
26-32	•0	• 0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	•0	.0	•0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0		.0	.0		.0		
71-86	.0			.0				
874	.ŏ	•0		ŏ		.0	:6	
• • • •	••	••	••	•0	••	••		
TOT POT	-0	75.0	25.0	.0	.0	. 0	100.0	•

PER (00): (OV	ER-ALL) 194	9-196	•				TABLE	19											
					PERCENT	FRE	QUENCY	OF WAV	E HEI	GHT (F1	') VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6 6=7	.0	12.0	20.0	4.0	4.0	.0	.0	:0	.0	.0	:0	.0	.0	0,0	.0	.0	.0	.0	.0	• 7	3
8-9 10-11	•0	.0	12.0	8.0		4.0	•0		•0	.0	.0		•0	•0	•0	.0	.0	.0	.0	į	5
12-13	•0	•0	•0	.0	•0	.0	•0	•0	•0	.0	:0	•0	•0	•0	•0	.0	•0	•0	•0	ė	•
>13 INDET	4.0	••	•0	.0	••	•0		••	•0	•0	:0				•0		.0	•0	•0	7	0
TOTAL	1	12.0	12	30.0	1.0	12.0	. 0	.0	. 0	ò	0	0	0	. 0	.0	0	ŏ	o o	0	25	4

PAGE 048

(

C

g 0

SEKIDD:	.PRIMARY)	1893-1972
	(OVER-ALL)	1862-1972

TABLE 1

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

	,	ERCENT	FREQUE	NCY	0F	HEATHER	SCCURI	RENCE	BY	MIND	DIRE	ECTIO	3N
P	RECIPI	TATION	TYPE							01	HER	WEAT	HER
0971	E 9 7 G	tuna r	THER	M4 * 1		OC DN AT	DC DN	DACT	740			Enc	MO

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
HND DIR	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUS BLWG SND	
N	58.3	٠.	.0	.0	•0	•0	•0	98 3	25.0	•0	•0	.0	•0	•0	16.7
NE	.0	.0	.0	.0	•0	•0	.0	.0	•0	.0	•0	•0	•0	•0	100.0
E	.0	25.0	.0	.0	.0	.0	. C	25.0	•0	.0	.0	•0	.0	.0	75.0
5E	.0	.0	.0	.0	-0	.0	.0	.0	5.3	2.7	•0	.0	•0	.0	92.0
S	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	100.0
S to	.0	.0	.0	.0	•0	.0	·C	• 0	•0	.0	• 0	.0	•0	.0	100.0
W	22.2	.0	.0	.0	.0	.0	• C	22.2	77.8	.0	.0	.0	•0	•0	.0
Nw	44.0	.0	.0	.0	•0	.0	·č	44.0	24.0	.0	.0	.0	•0	•0	32.0
VAR	.0	.0	.0	.0	•0	.ŏ	.0	.0	•0	.0	.0	ō	.0	.0	0.0
CALM	100.0	.0	.0	.0	.0	.0	,c	100.0	•0	.0	.0	,0	.0	.0	, ö
TOT PCT TOT OBS:	7.7 62	1.6	.0	•0	•0	•0	•0	11.3	9.7	1.6	•0	•0	•0	•0	77.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					STHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	CR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HGUR	THOR LTNG	FOG HO PCPN	FOG WO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 00309 12615 12381	13.6 4.8 10.0 10.0	4.5 .0 .0	.0 .0 .0	.0	.0	.0	.0 .0	18.2 4.8 10.0 10.0	4.5 19.0 .0 10.0	10.0	.0	.0	•0	•0	77.3 76.2 80.0 80.0
TOT PCT	9.5	1.6	.0	•0	•0	•0	•0	11.1	9.5	1.6	•0	.0	•0	•0	77.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33 22-33		48+	TOTAL Cos	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GHT) 12	15	18	21
μ	1.0	3.7	1.5	•	.0	.0		6.3	8.0	7.7	•0	5.0	2.3	3.7	.0	8.6	9.9
NE		3.1	. 6	•				4.2	7.2	7.0	•0	2.0		2.8		7.0	5.6
E	1.0	4.7	1.4	.1	.0	.0		7.2	7.7	10.1	.0	6.5	2.3	4.4	.0	9.3	10.9
ŠE	2.3	16.7	19.7	2.3	. 1	• 0		41.0	11.7	45.2	33.3	43.8	30.4	40.2	•0	38.7	39.4
S	1.2	7.9	5.1	. 4	.0	.0		14.6	9.6	8.5	.0			17.3	.0	15.3	11.8
Sw	.8	3.4	. •	. 2	.0	.0		5.3	7.8	2.8	33.3	5.0	9.1	7.2	.0	3.3	3.5
W	.6	2.7	1.1	. 2	•0	.0		4.6	9.0	2.5	•0	4.4	8.8	5.6	.0	3.1	3.3
Nw	1.3	6.5	4.2	. 5	•	•0		12.5	10.0	13.1	33.3	12.9	12.7	13.5	• 0	11.5	11.4
VAR	.0	.0	.0	.0	.0	.0		.0	•0	•0	•0	• 0	•0	•0	.0	.0	.0
CALM	4.4							4.4	.0	3.0	.0	6.2	3.4	5.3	.0	4.1	4.3
TOT CBS	381	1418	1007	107	3	0	2916		9.6	495	3	504	465	470	0	486	493
TOT PCT	13.1	48.6	34.5	3.7	. 1	•0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OSS	PCT FREQ	MEAN SPD	00	HDU1 06 09	12 12 15	18 21
N	2.8	3.0	.4	•	.0		6.3	8.0	7.7	3.7	3.7	9.3
NE	2.3	1.7	.2	.0			4.2	7.2	6,7	1.4	2.8	6.3
ŧ	3.5	3.3	.4	•0	.0		7.2	7.7	10.0	4.5	4.4	7.4
SE	1.1	22.7	9.1	.4	.0		41.0	11.7	45.1	41.4	40.2	39.0
\$	4.8	8.1	1.6	•	.0		14.6	9.6	8,5	17.4	17.3	13.5
Šu	2.8	2.1	.,3		.0		5.3	7.8	3.0	7.4	7.2	3.4
¥	1.8	2.2	. 5	•			4.6	9.0	2.5	6.5	5.6	3.2
NM	3.7	6.6	1.9	•1	.0		12.5	10.0	13.2	12.8	13.5	11.4
VAR	.0	.0	•0	•0	.0		•0	•0	.0	.0	.0	.0
CALM	4.4						4.4	.0	3.0	4.9	5.3	4.2
TOT DOS	1023	1453	422	18	0	2916	• • •	9.6	498	769	470	979
TOT PCT	35.1	49.8	14.5		• 0		100.0			100.0		

SEPTEMBER

PERIOD:	(PRIMARY)	1893-1972
	(OVER-ALL)	1862-1972

TARLE 4

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

PERCENTAGE	FREQUENCY	ΩF	WIND	SPEED	84	HOUR	CHT

				HIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	HEAN	FREQ	085
00403	3.0	8.4	54.0	29.5	4.2	•0	.0	9.4	100.0	498
90360	4.9	8.7	47.2	35.2	4.1	.ŏ	.ŏ		100.0	969
12615	5.3	8.3	44.9	37.0	4.5	.0	.0		100.0	470
18621	4.2	9.0	48.7	35.2	2.6	.3	.0		100.0	979
TOT	128	253	1418	1007	107	3	0	9.6		2916
PCT	4.4	6.7	48.6	34.5	3.7	• 1	• 0		100.0	• • • •

TABLE 5

TABLE O

	PCT FR(CLOUD A		(EIGHTHS)		ı	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	TANH :	>4/8) QN	
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL CBS	MEAN CLOUD COVER	000 149	15n 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.0	1.6	1.0	1.6		6.0	•0	•0	.0	•0	•0	•0	.0	•0	_	_		
NE	.0	.0	1.6	•0		6.0	•0	•0	ŏ	.0					•0	•0	4.2	
F	. č	3.6	1.6								•0	•0	•0	• 0	•0	•0	1.0	
ŠE		23.4	27.6			5.3	•0	• ?	2.1	0	• 0	• 0	•0	• 0	•0	•0	5.2	
3.						5.7	•0	•0	•0	2.1	10.9	4.2	•0	•0	•0	.0	51.6	
5	2.1	.0	3.6	1.0		4,7	•0	•0	.0	.0	1.6	.0	.0	.0	.0	.0	5.2	
SW	.0	.0	2.1	•0		6.0	.0	• 2	.0	.0	.0	•0	.0	•0	.0			
₩	.0	.0	1.6	2 • 1		7.5	•0	.0	.0	2.1						.0	2.1	
ÄЖ	.0		2.6					-			•0	1.6	•0	• 0	•0	• 0	• 0	
						6.7	•0	•0	•0	•0	•0	.5	•0	•0	•0	.0	3.1	
VAR	•0	.0	•0	•0		•0	•0	• 0	.0	•0	.0	•0	.0	•0	•0	.0	•0	
CALM	.0	•0	.0	2.1		8.0	•0	•0	.0	.0	2.1	.0	.0	•0				
TOT DBS	1	14	20		48	5.8	ŏ	• "	• • • •	• ;		• • •	• • •		•0	• 0	•0	
TOT PCT	2.1	29.2	41.7	27.1	100.0				- :				ū	0	0	0	35	48
			4101	27.1	100.0		•0	• 0	2.1	4.2	14.6	6.3	•0	•0	•0	.0	72.9	100.0

TARLE 7

CUMULATIVE PCT FRE	Q OF	SIMULTANEOUS	OCCURRENCE
OF CEILING HEIGH	Ť (N	H SA/81 AND V	SRY (NH)

				VSBY (NE	1)			
CEILING	• DR	• DR	OR	• CR	• OR	- OR	 OR 	DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >5000	.0	.0	.0	.0	.0	ě		.ŏ
■ OR >3500	.0	.0	.0	.0	.0	.ŏ		ö
R >2000	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
= 8R >1000	18.6	18.8	20.8	20.8	20.8	20.8	20.8	20.8
■ DR >600	20.8	20.8	25.0	25.0	25.0	25.0	25.0	25.0
■ DR >300	20.8	22.9	27.1	27.1	27.1	27.1	27.1	27.1
■ DR >150	20.0	22.9	27.1	27.1	27.1	27.1	27.1	27.1
DR > 0	20.8	22.9	27.1	27.1	27.1	27.1	27.1	27.1
TOTAL	10	11	13	13	13	13	13	713

TOTAL NUMBER OF DBS: 48 PCT FRED NH <5/81 72.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD OBS 2.1 6.3 20.8 18.8 25.0 6.3 10.4 2.1 8.3 .0 48

PAGE 050

€

0 0

5				

							967	CPBER						
(PRIMARY) 1 (OVER-ALL) 1	893-1972 862-1972						TA	ere e				ARE	A 0001	SOUTHEAST SUMATR
		P	ERCENT	FREO PREC	OF WIN	D DIRE ION WI	CTION Th VAR	VS DCC	URRENCI ALUES I	E OR N	ON-OCC	URRENC Y	E OF	
VSBV (NM)		٨	NE	ε	SE	S	Sw	H	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP NO PCP TDT %	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•••	
1/2<1	PCP ND PCP	.0	.0	.0	:0	:0	•0	.0	.0	:0	•0	:0		
	TOT &	.0	.0	.0	••	••	•0	•0	•0	•0	•0	.0		
1<2	NO PCP	.0	.0	.0	.0	.0	• ?	•0	•0	•0	•0	••		
2<5	PCP NO PCP TOT %	1.6	.0	•0	•0	•0	•0	.0 1.6 1.6	1.6 .0 1.6	.0	1.6 .0 1.6	4.8 1.6 6.5		
5<10	PCP NO PCP TOT %	.0 .0	.0	1.6 .8 2.4	7.3 7.3	•0	1.6 1.6	••	.0 1.6 1.6	•0	•0	1.6 11.3 12.9		
10+	PCP NO PCP TOT %	1.2 2.0 3.2	.0 1.2 1.2	•0 ••0	.0 53.2 53.2	•0 6•9 6•9	+0 3+2 3+2	.8 1.2 2.0	2.8 4.0 6.9	•0	•0	4.8 75.8 80.6		

TOT 085 TOT PCT 4.8 1.2 6.5 60.5 6.9 4.8 3.6 10.1 .0 1.6 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

					M7111	MARTINU	VALUE	3 UF V	12181	114			
VSBY (NM)	SPD KTS	N	NE	Ε	SE	S	SW	×	NW	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.2	.0	.0	.0	.0	.0	. 0	.ŏ	••	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.ō	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.õ		.ŏ	
	TOT \$.0	•2	•0	•0	.0	.0	.0	.0	.0	.0	.2	
	C-3	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0		
1/2<1		• 1	. 1	•0	•0	.0	.0	.0	.0	.0		. 2	
	11-21	.0	.0	•0	.0	•0	.0	•0	.0	.0		.0	
	22+	.0	.0	•0	.0	•0	.0	.0	.0	.0		.0	
	TOT \$	• 1	• 1	•0	•0	•0	•0	•0	•0	•0	•0		
	0-3	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
1<2	4-10	• • •	•0	•0	.0	•0	•0	-0	.0	.0		.0	
	11-21	.0	•0	.0	.3	• 1	.0	•0	.0	.0		.4	
	22+	•0	•0	•0	• 2	.0	.0	.0	.0	.0		. 2	
	TOT %	•0	•0	•0	.5	•1	.0	•0	.0	.0	•0	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	4-10	- 1	. 2	•0	.7	• 2	-1	• 2	. 3	.0		1.6	
	11-21	.2	.0	•0	.4	.2	.2	.0	. 2	.0		1.2	
	55+	.0	•0	•0	•0	•0	.0	•0	• 0	.0		.0	
	TOT \$.3	•2	•0	1.1	• 4	.3	- 2	. 5	.0	•2	3.1	
_	0-3	.0	•0	.0	.1	.1	.6	.0	. 2	.0	.2	1.2	
5<10		.5	. 4		3.8	.6	.4	- 1	. 5	.0		7.1	
	11-21	. 1	•0	.3	2.6	1.0	.2	.0	.3	.0		4.5	
	55+	.0	•0	•0	• 2	•0	.0	•0	.c	.0		. 2	
	TOT %	.6	.4	1.1	6.7	1.7	1.2	- 1	1.0	.0	•2	12.9	
	0-3	1.2	. • •	.9	2.5	.6	.6	-1	.3	.0	2.5	9.2	
10+	4-10	2.1	2.9	4.2	16.5	9.0	3.3	1.3	3.0	.0		42.4	
	11-21	• 2	•2	1.0	20.3	5.4	.7	• 2	1.0	•0		29.2	
	22+	•0	•0	.0	1.7	.3	.0	•0	. 2	.0		2.Z	
	TOT \$	3.5	3.6	6.1	41.1	15.3	4.6	1.6	4.6	.0	2.5	12.9	
	TOT DBS												510
	TOT PCT	4.5	4.5	7.2	49.4	17.5	6.1	1.9	6.0	.0	2.9	100.0	

5	e	•		E	

PERIODI (PRIMARY) 1893-1972 (OVER-ALL) 1862-1972

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

PERCENT FREQUEN			>4/81	AND
		u /5/9 ši		-

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0		6.3	6.3	12.5	6.3	.0	.0	.0	.0	31.3	68.8	16
90360	.0	•0	.0	.0	10.0	5.0	.0	.0	.0	•0	15.0	85.0	20
12615	.0	.0	.0	•0	•0	16.7	.0	.0	.0	•0	16.7	83.3	6
18821	.0	.0	.0	16.7	50.0	.0	.0	•0	.0	.0	66.7	33.3	6
TOT PCT	0	0	2.1	4.2			0	0	0	0	13	35 72.9	48

TABLE 11

TABLE 12

		PERCENT	FREQUE	CY V\$8Y	(NM)	BY HLUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	•0	•0	•0	4.2	15.8	80.0	95	00603	•0	6.3	12.5	18.6	68.8	16
90300	•0	.0	.0	.6	11.2	88.2	170	90360	.0	.0	5.0	10.0	85.0	20
12615	•0	1.2	1.2	1.2	13.3	63.1	83	12615	•0	•0	.0	16.7	83.3	6
18621	. 6	.0	1.2	6.1	13.5	78.5	163	18621	•0	.0	16.7	50.0	33.3	6
TOT T34	. 1 • 2	.2	. 3 . 6	16 3.1	67 13.1	423 82.8	511 100-0	TOT	.0	2.1	1.3	9 18.8	35 72.9	48

				T	IATE 1)									TABL	E 14				
	PERCE	NT FR	E QUENC'	Y OF RE	ELATIV	HUNT	DITY B	Y TEMP				PERC	ENT FA	EQUENC	Y 0# W	IND DI	RECTIO	4 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT	N	NE	E	SE	S	SW	Ħ	NW	VAR	CALM
85/89	.0	.0	.0	•0	.0	2.4 34.1	39.0	2.4	_1	2.4 75.6	3.0	1.8	0	2.4	.0	.0	.0	.0	•0	.0
		.0	•0	•0	.0	34.1			31		3.0	1.8	5.5	56.7	3:0	2.4	1.8	1.2	•0	.0
75/79	.0	.0	.0	•0	2.4	2.4	12.2	4.9	9	22.0	.0	.0	2.4	7.3	2.4	.0	2.4	4.9	.0	2.4
TOTAL	0	0	0	0	1	16	21	3	41	100.0						• • •			• • •	•••
PCT	.0	.0	.0	•0	2.4	39.0	51.2	7.3			3.0	1.8	7.9	66.5	5.5	2.4	4.3	6.1	•0	2.4

TABLE 15

(

				TAE	LE 15									TABLE	16			
	PEANS,	EXTREM	FS AND	PERCEN	TILES	OF TE	HP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIOIHU	BY HOUS	t .
HOUR (GMT) OCEO3	MAX 91	99 % 87	95x 85	50x 80	5% 76	1% 74	MIN 72	MEAN 80.4	TOTAL OBS 490	HOUR (GMT) OOLO3	0-29	30-59	60-69	70-79 23.1	69.2	90-100	MEAN 83	TOTAL C85
00003 0609 12015 18021	92 90 91	90 86	87 85 84	82 82 80	78 77 76	75 75 74	74 74 72	\$2.4 \$1.4 \$0.0	948 460 968	06609 12615 18621	•0	.0	5.9	20.0	35.3 40.0 71.4	7.7 .0 40.0	77 85 82	13 17 5
TOT	92	44	86	81	77	75	72	81-1	2866	TOT	ō	ő	i	16	22	"	1	42

PAGE 052

3 O

SEFTEMBER

PERIOD: (PR[MARY) 1893-1972 (OVER-ALL) 1862-1972

TABLE 17

AREA 0001 SOUTHEAST SUMATRA 3.75 101.7E

PCT FRPQ OP AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	TOT	FOG	WD FDG
•	.0	.0	.0	1.9	1	.0	1.9
2	.0	•0	1.9	1.9	2	.0	3.8
1	.0	.0	7.7	.0	;	.0	7.7
ŏ	·ŏ	5.8	11.5	, c	•	•0	17.3
-1	.0	5.8	19.2	.0	13	.0	25.0
1 0 -1 -2 -3 -4 -5		13.5	11.5	.0	ĬĬ	.0	25.0
-3	.0	7.7		.0	4	.0	7.7
-4	.0	3.8	1.9	.0	3	.0	5.8
-5	1.9	1.9	.0	.0	2	.0	3.8
-6	1.9	.0	.0	ò	ī	.c	1.9
TOTAL	2		20			Ü	52
	_	20	-	2	52		
4/7					100 0		

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				₽C	T FREQ (F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
=				N						4-10		NE 22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21				
<1_	.0	.0	•0	•0	•0	٠0	.0		•0	.0	.0	•0	•0	.0	•0
1-2 3-4	.0	.0	•0	•0	.0	•0	.0			.0	.0	:0		ĕ	ě
5-6	.0		•0	•0						.0		••	•0		.0
7		:0	.0	.0			.0		ŏ			.0	•0		.0
9-9	.0	.0	•0	.0	:6	•0	.0		ŏ		.0		.0		.0
10-11	.0		.0	.0	.ŏ	.5	.0		.0			.0	.0		.0
12		:ŏ	•0	.0					.0		.ŏ		.0		•0
13-16	·ŏ		•0	.0		.0	.0		.0	.0	.0	•0	•0	.0	•0
17-19	.0	.0	•0	.0	.0	.ŏ	.0		.0	.0	.0	•0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	·õ	.0		.0	.0	.0	•0	•0	.0	•0
23-25	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	•0
24-32	.0	.ŏ	.0	.0	.0	.0	.0		.0	•0	.0	•0	•0	.0	.0
33-40	.0	.0	•0	•0	.0	•0	•0		.0	.0	.0	•0	•0	•0	•0
41-48	.0	.0	•0	.0	.0	•0	•0		•0	.0	.0	•0	•0	•0	•0
49-60	•0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0
61-70	•0	.0	•0	.0	.0	•0	.0		•0	•0	.0	•0	•0	•0	•0
71-86	.0	•0	•0	•0	•0	•0	•0		•0	.0	.0	•0	•0	•0	•0
87+	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0
TOT PCT	•0	.0	•0	.0	•0	•0	.0		•0	.0	•0	•0	•0	•0	•0
				ε								SE			
HGT	1-3	4-10	11-21	22-35	34-47	48+	PCT		1-7	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	•0	.0	•0	•0		•0	0	.0	•0	•0	•0	0
1-2	.0	.0	.0	.0	.0	•0	۰.		•0	12.5	.0	•0	•0	.0	12.5
3-4	•0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	•0	•0
5-6	.0	•0	•0	.0	•0	.0	•0		•0	.0	.0		•0	•0	.0
7	•0	.0	•0	•0	.0	•0	•0		•0	•0	•0	50.0	•0	.0	50.0
8-9	.0	.0	•0	.0	.0	•0	•0		.0	•0	•0	•0	•0	•0	.0
10-11	•0	.0	•0	•0	•0	•0	•0		•0	:0	•0	•0	•0	.0	.0
12 13-16	.0	.0	•0	•0	.0	:0	.0		:8			.0		:ŏ	
17-19	.0		•0	••		ě			ě		·ŏ			.0	.0
20-22	:0	.ö		:0		:0	:		ĕ					.0	.0
23-25			.0	.0					ŏ	.0			•0	·õ	.0
26-32				.0		.0	.0					.0	•0		•0
33-40	.0	.0	•0			.0			.0	.0	.0		•0		•0
41-48	٠٥		.0			•			.0	• 0	•0	•0	•0	.ŏ	•0
49-60		.0	.0	.0		• 0	•0		•0	.0	•0	• 0	•0	•0	.0
61-70	.0	.0	•0	• • •		•0	•0		•0	.0	•0	• 0	•0	.5	•0
71-06	.0	•0	•0	•0	• 0	•0	• 0		•0	.0	•0	•0	•0	•0	.0
87+	•0	• 0	•0	•0	•0	•0	•0		• 0	.0	.0	•0	•0	•0	.0
TOT PET	.0	•0	•0	•0	.0	•0	•0		.0	12.5	•0	90.0	•0	•0	62.5

PERIOD:	10us		1047 1	072				S	EPTE"BER				1051	0001 5	011711E4	ST SUMATRA
bEv100.	IDVE	M-466)	1955.	712				TABLE	18 (CONT)			-		5 101	
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIREC	TION \	VERSUS S	EA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	SW 22+33	34-47	48+	PCT	
<1	.0	.0	.0	•0	. 0	•0	.0		.0	•0	.0	.0	•0	.0	.0	
1-2	.0	37.5	•0	•0	•0	•0	37.5		•0	•0	.0	.0	•0	• 0	•0	
3-4	٠.٥	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	•0	•0	
5-6	.0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
7 8 - 9	•0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
10-11	.0	•0	•0	•0	.0	•0	•0		•0	.0	•0	•0	•0	.0	•0	
12	ŏ		•0	.0	.0	•0	•0		.0		•0		•0	.0	.0	
13-16	.0	:0	•0	•0	.0	.0	.0		.0	.ŏ	•0	.0	•0	ě	ě	
17-19			.0		.0	•0	.0		.0	.0	.0	.0	.0	.0		
20-22	.0	.ò	.0	.0	.0	•0	. C		.0	.0	.0	.0	•0	.0	.0	
23-25	.0	.0	•0	•0	.0	•0	•0		.0	•0	•0	•0	•0	.0	.0	
26-32	.0	.0	•0	.0	.0	.0	.0		• 0	.0	.0	•0	•0	.0	.0	
33-40	.0	.0	•0	•0	.0	.0	•0		•0	.0		•0	•0	.0	•0	
41-48	•0	.0	•0	•0	•0	• 0	•0		•0	•0	•0	.0	•0	.0	•0	
49-60	.0	•0	•0	•0	.0	•0	•0		•0	.0	•0	•0	•0	.0	•0	
61-70	•0	.0	•0	.0	.0	•0	•0		•0	•c	•0	.0	•0	••	.0	
71-86	•0	.0	•0	.0	.0	•0	.0		•0	•0	•0	.0	•0	•0	•0	
87+	.0	.0 37.5	•0	.0	.0	•0	37.5		•0	•0		•0	•0	.0	•0	
TOT PCT	••	37.3	•0	•0	•0	•0	37,5		•0	•••	•0	•0	•0	.0	••	
				w.	_							NW				TOTAL
HGT	1~3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	•0	•0	•0	•0	• ?	•0	•0		•0	•0	•0	•0	•0	.0	•0	
1-2	.0	.0	•0	.0	.0	.0			•0	•0	.0	.0	•0	•0	.0	
3-4 5-6	.0	.0	•0	.0	.0	•0	.0		.0	.0		.0	•0	.0	••	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	•0	.0	•0	
8-9	٠٥	.0	.0		.0	.0	.0		ŏ	.0		.0	.0			
10-11	.0		•0	.ŏ	.0		.0		ŏ	ŏ			.0		.0	
12	.0		.0	.0	ŏ	.0			ŏ	.0		.0	•0			
13-16	.0		•0	•0	.0	• 6	.0		.0	.0			•0	.0	-0	
17-19	.0	.0	•0	••	.0	-0	.0		•0	.0	.0	•0	•0	.0	.0	
20-22	.0		.0	.0			.0		.0	•0	•0	•0	•0	.0	.0	
23-25	.0	.0	•0	•0	.0	•0	•0		•0	•0		.0	•0	•0	•0	
26-32	.0	•0	•0	•0	•0	•0	.0		•0	•0	• • •	•0	•0	• 0	•0	
33-40	•0	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	•0	•0	
41-48	•0	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	•0	•0	
49-60	•0	.0	•0	.0	••	•0	•0		•0	•0		•0	•0	•0	•0	
61-70	•0	.0	•0	• 0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
71-86 87+	•0	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	.0	.0	
TOT PCT	.0	.0	•0	.0	.0	.0	•0		.0	.0		•0	•0	.0	.0	100.0
101 701		••	•0	••	••	••	••		••	•••	•0	••	••	••	••	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.0	.0	.0	.0	.0	.0	.0	063
1-2	.0	50.0	•0	ò	.0		50.0	
3-4	.0	.0	•0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	50.0	.0	.0	50.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0		.0	.0	. o	
12	.0	.0	• C		.0	.0	.0	
13-16	.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22		.0	•0		.0	.0	.0	
23-25	.0	.0	•0		.0	.0	.0	
26-32	. G	.0	•0		.0	.0	.0	
33-40	.0	.0			.0	.0	.0	
41-40	.0	.0	• 0		٠Ġ	.0	.0	
49-60	•0	•0	• 0		.0	.0	.0	
41-70	.0	.0	·č			.0	.0	
71-86	.0	•0	•0			.0	.0	
87+	.0	ě	.0			.0		
	••	•••	• •	••	• •	• • •	•••	2
TCT PCT	.0	50.0	.0	50.0	.0	.0	100.0	•

PER100:	(BV	ER-ALL?	194	9-1972	:				TABLE	19											
					PERCENT	FRE	QUENCY 0	F WAT	VE HEI	SHT (F	7) VS	MAVE P	E 2 1 0 0	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
<6	.0	4.4	4,4	4.4	.0	.0		.0	.0	.0	,0	.0	.0	-	.0	.0	.0	٥,	.0	6	3
6-7	+0	•0	15.6	24.4	2.2	•0		•0	•0	.0	•0	.0	.0	•0	•0	: 0:	.0	.0	.0	19	4
8-9	٠0	•0	.0	8.9	28.9	.0	• • •	•0	•0	.0	.0	.0	.0	.0	.0	٠.	٠.	.0	.0	17	7
10-11	•0	.0	.0	2.2	.0	2.2	•0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.0	٠.	2	7
10-11 12-13	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	0	
513	•0	•0	.0	.0	.0	•0	· • 0	•0	•0	.0	•0	.0	.0			.0	.0	•0	.0	0	
>13 INDET	•0	•0	•0	.0	2.2	.0		.0	•0	.0	.0	.0	.0				.0	.0	.0	1	7
TOTAL	0	2	9	18	15	1	i ō	0	Ö	ò	0		0	-		Ö	0	0	0	45	5
PCT	•0	4.4	20.0	40.0	33.3	2.2		•0	•0	•0	:0	•0	•0		•0	•0	•0	•0	.0	100.0	

PAGE 054

٠.

)

TABLE 1

AREA 0001 SOUTHEAST SUMATRA 3.75 101.6E

PERCENT	FREQUENCY	OF	HEATHER	OCCURRENCE	BY	WIND	DIRECTION

				RECIPI	CITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN Shur	BRTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HVIF	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG HD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
٠,	23.1	15.4	.0	.0	•0	.0	.0	38.5	•0	.0	.0	.0	.0	.0	61.5
NE	23.5	.0	.0	.0	•0	.0	.0	23.5	•0	.0	.0	.0	.0	.0	76.5
E	.0	.0	.0	.0	•0	.0	.c	•0	•0	.0	• 0	.0		•0	100.0
ŠE	5,7	.0	.0	•0	•0	.0	.0	5.7	5.7	14.3	•0	.0	.0	•0	77.1
Š	20.8	.0	.0	.0	.0	•0	.c	20.8			.0	.0	•0		79.2
Św	12.5	.0	.0	.0	•0	.0	. 0	12.5	٠Ŏ	.0	•0	.0	•0	•0	87.5
H	14.8	.0	.0	.0	.0	.0	.0	14.8	•0	.0	.0	.0	•0		85.2
Ñъ	31.7	4.9		.ŏ		·ŏ		36.6	19.5	.ŏ		ŏ		ěŏ	43.9
VAR	.0	.0	.0	.0	.0		.0	• 0	• • •	.ŏ	•0	.0	•0		.0
CALM	.0		.0	.0	.0	.0	.o	.0	50.0	,ŏ	.0	.ŏ	•0		50.0
TOT PCT	13.1	1.2	•0	•0	•0	•0	•0	14.3	6.0	6.0	•0	•0	•0	•0	75.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	DR7L	PRZG PCPN	SNOW	OTHER PRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	16.7 12.5 5.3 16.7	.0	.0	•0	•0	•0	.0	16.7 12.5 5.3 22.2	12.5 4.2 5.3 5.6	4.2 .0 10.5 11.1	.0	.0 .0	•0	•0 •0 •0	65.7 83.3 78.9 66.7
TOT PCT	12.9	1.2	.0	•0	•0	•0	.0	14-1	7.1	5.9	•0	•0	•0	•0	74.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	ib SpEI	ED (KNI	JTS)								HOUR	(GHT)			
WNO DIR	0-3	4-10	11-21	22-33	34-47	48+	YDTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.3	4.6	1.6	.1	•0	•0		7.5	7.9	9.2	•0	6.4	4.0	5.7	•0	9.1	10.9
NE	1.1	3.4	.7	•	•0	.0		5.2	6.6	8.1	.0	2.5		4.4	73.3	5.2	7.0
E	1.2	3.9	1.5	. 2		•0		6.8	7.8	10.0	•0	6.3	1.2	5.5	.6.7	7.3	9.8
SE	2.2	14.2	12.0	1.6	• 1	•0		30.9	11.0	34.8	•0	32.9	28.4	29.8	16.7	29.7	29.6
S	5.0	7.4	4,3	. 5	.0	•0		14.3	9.4	9.8	•0	14.5	21.4	17.2	.0	13.1	10.3
5 w	1.1	4.3	. 6	.1	•0	•0		6.0	6.7	3.0	•0	5.4	11.4	7.7	16.7	4.6	4.4
¥	1.6	4.7	1.5	.1	•0	•0		7.9	7.6	5.1	100.0	7.0	13.8	10.9	16.7	5.4	5.2
Nw	1.7	8.6	5.0		•	•0		15.9	9.6	15.2	•0	17.5	15.8	14.9	•0		15.6
VAR	•0	.0	.0	.0	•0	•0		.0	:0	.0	• 0	٠.	• 0	• 0	•0	.0	.0
CALM	5.5							5.5	.0	5.0	.0	7.6	3.3	4.0	•0	5.9	7.1
TOT DAS	372	1655	904	102	4	0	3239		8: 7	564	ĭ	565	516	528	3	528	534
TOT PCT	17.7	51.1	28.0	3.1	•1	•0		100.0		100.0	100.0	100.0			100.0		

TABLE 3A

		WIND	SPEED	(KNOTS)						Mout	R (GNT	
WND DIR	0-6		17-27	28-40	41+	TOTAL DBS	PCT FREQ	HEAN SPD	00 03	06	12	18 21
N NE	3.6 3.2	3.3	.6	.0	.0		7.5 5.2	7.9	9.2 8.1	5.2 1.7	5.6	10.0
Ę	3.7	2.5		ii	.0		6.8	7.8	10.0	3.1	5.6	8.0
3 8	1.9	15.5	6.2	.4	.0		30.9	11.0	34.7	30.8	19.8	29.7
4	5.1	7.2	1.8	.1	.0		14.3	9.4	9.7	17.8	17.1	11.7
54	3.7	2.0	. 3	.0	.0		6.0	6.7	3.0	8.3	7.8	4.5
W	3.9	3.5	. 4		.0		7,9	7.6	5.2	10.2	10.9	5.3
NW	5.6	8.1	2.0	•2	.0		15,9	9.6	15.1	16.7	14.8	16.1
VAR	.0	٠0	.0	.0	.0		.0	.0	.0	.0	.0	•0
CALM	5.5						5,5	.0	5.0	5.6	4.0	4.5
TOT DOS	1400	1427	386	26	0	3239		8.7	545	1001	531	1062
TAT	40 9	44.								1-0	144	

OCTOBER

≠ER[OD: (PR]#ARY) 1891-1968 (OVER-ALL) 1860-1968

1

TABLE 4

AREA 0001 SQUTHEAST SUMATRA 3.75 101.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GNT	,
--	-----	---

HQUR	CALM	1=3	4-10	wIND 11-21	SPEED (KNOT5) 34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603 06609 12615 18621 TOT	5.0 5.6 4.0 6.5	13.3 12.1 12.4 11.6 395	50.1 51.2 53.9 50.1 1654	23.8 27.9 26.4 28.3 906	2.8 3.1 3.4 3.2 102	.0 .1 .0	.0	8.7 8.3	100.0 100.0 100.0	565 1081 531 1062
PCT	5.5	12.2	51.1	28.0	3.1	•1	•0	•••	100.0	3239

TABLE 5

			•	-066)			TABLE 6														
P	CT FRE			CLOUD A		(EIGHTHS) MEAN		PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION													
WND DIR	0-2	3-4	5-7	09260	TCTAL CRS	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8				
NE E SE S	.0 .0 .0 3.1	2.3 3.9 1.6	2.0 2.0 .8 25.4 8.2 1.6	2.7 11.3 8.6		7.0 6.8 5.9 6.0 6.9 7.3	•0 •0 •0	.0 .0 .0	•••	1.6 0 1.6	1.2 .0 .8 10.2	2.0 .0 .0 5.5 2.3	.0 1.2 .4	•0	•0	•0	2.0 2.3 27.0 11.3				
W NW VAR CALM TOT DBS TOT PCT	.0 .0 .0 .0 2	1.6 .0 .0 .0 6	2.7 2.7 .0 .0 29 45.3	1.6 12.5 .0	64 100-0	5.7 7.5 .0 8.0 6.5	• • • • • • • • • • • • • • • • • • • •	.0 .0 .0	• • • • • • • • • • • • • • • • • • • •	1.6 3.1 .0 1.6	.0 3.5 .0 .0 10	0 2.7 0 0 0 8	.0 1.6 .0 .0 .0 2	• • • • • • • • • • • • • • • • • • • •	•••••	•0	1.6 4.3 4.3 .0 .0 .0 35 54.7	64 100•0			

TABLE 7

CUMULATIVE PCT FREQ OF CEILING HEIGHT	OF S	IHULT/ >4/8)	MEGU	S DCC V584	URRENCE (NM)

						VSBY (NH	1)			
		EILING	• DR	= OR	• OR	• DR	- OR	• OR	• CR	- DR
	(FEET)	>10	>5	>5	>1	>1/2	>1/4	>50YD	>0
		>6500	.0	.0	,0	.0	.0	.0	.0	.0
		>5000	.0	•0	.0	.0	.0		.ŏ	.ŏ
		>3500	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
•	OR	>5000	10.5	15.4	15.4	15.4	15.4	15.4	15.4	15.4
•	OR	>1000	20.0	30.8	30.8	30.8	30.8	30.8	30.8	30.8
	OR	>600	23.1	38.5	41.5	41.5	41.5	41.5	41.5	41.5
•	OR	>300	23.1	30.5	41.5	41.5	41.5	41.5	41.5	41.5
	OR	>150	23.1	40.0	46.2	46.2	46.2	46.2	46.2	
	OR	> 0	23.1	40.0	46.2	46.2	46.2			46.2
		TOTAL	15	26	30	30	30	46.2 30	46.2 30	46.2 30

TOTAL NUMBER OF OBS: 65

PCT FREQ NH <5/81 53.8

TABLE 7A

PERCENTAGE PREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 UBSCO UBS 3.0 3.0 18.2 19.7 10.6 9.1 12.1 6.1 18.2 .0 66

PAGE 056

 $\mathbf{e} - \mathbf{c}$

O O

		P	ERCENT	FREQ	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENCI	E OR N	IBILI	URRENC	E OF
VSBY (MH)			NE	E	SE	s	SW	W	NW	VAR	CALH	PCT	TOTAL
	PCP	.0	.0	.0	,0	.0	.0	.0	.0	.0	.0	.0	
<1/7	NO PCP	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	
	TOT %	.0	.c	.0	.0	•0	.0	.0	•c	.0	.0	Ö	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	
	TOT \$.0	.0	.0	.0	•0	•0	.0	.0	•0	.0	.0	
	PC#	.0	.0	•0	.0	•0	• 0	.0	•0	.0	•0	.0	
1<2	NO PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
	TO7 %	.0	.0	•0	.0	•0	•0	.0	•0	.0	•0	.0	
	PCP	.0	•0	•0	.3	1.8	.3	1.2	1.2	.0	•0	4.0	
2<5	NO PCP	.0	.0	.0	.0	• 0	•0	.0	•0	.0	•0	.0	
	TOT \$.0	.0	•0	.3	1.8	. 3	1.2	1.2	•0	•0	4,8	
	PCP	.9	1.2	.0	,9	1.5	• 0	.0	2.7	.0	•0	7.1	
5<10	NO PCP	•	.0	.6	6.3	3.6	.3	1.2	1.5	.0	2.4	16.7	
	TOT \$	1.0	1.2	.6	7.1	5.1	. 3	1.2	4.2	•0	2.4		
	PCP	.6	.0	•0	1.2	•0	•0	.0	.6	.0	•0	2.4	
10+	NO PCP	1.5	3.9	8.0	33.0	8.9	1.8	5.7	6.3	.0	•0	69.0	
-	TOT %	5.1	3.9	8.0	34.2	8.9	1.0	5.7	6.8	.0	•0	71.4	
	TOT DBS												84
	THE BCT	2 0		4.4	41 7	16.6	3.4		12.2		9.4	100 0	

TABLE 9

VSBY (NH)	SPD KTS	N	NE	E	\$ E	\$	SW	₩	NW	VAR	CALM	PCT	TOTAL
• • • • • • • • • • • • • • • • • • • •	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
∢ 1/2	4-10	.0	.ō	.0	.0		.0	.4	.1	.o	• • •	. 5	
-	11-21	.0	.õ	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	,0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	.0	.0	•0	.4	.1	.0	•0	.5	
	0-3	•0	.0	•0	• 0	.0	.0	.0	.0	.0	•0	.0	
1/2<1	4-10	• 1	.0	•0	•0	•0	• 2	•0	-1	•0		. 3	
	11-21	.0	.0	•0	.2	•0	•0	.0	•0	.0		.2	
	55+	٠Ō	•0	•0	•0	•0	•0	•0	•0	•0		:9	
	TOT %	•1	.0	•0	.2	•0	٠2	•0	.1	.0	•0	.,	
	0-3	•2	.0	•0	•0	.0	.0	•0	.0	•0	•0	.2	
1<2	4-10	•0	.0	•0	.0	.0	. 2	•0	.0	.0		.2	
	11-21	.0	.0	•0	.1	.1	•0	•0	.0	.0		.2	
	22+	.0	• 0	•0	• 0	.0	.0	• 0	.0	. U		.0	
	70T %	•2	.0	•0	•1	.1	• 2	•0	•0	.0	•0	.5	
	0-3	.5	.0	.0	•0	•0	.0	.0	.0	.0	.0	.5	
2<5	4-10	• 1	.1	. 6	1.1	. 3		. 2	. 4	.0		2,8	
	11-21	٠.	.0	•0	. 5	,,	-1	. 4	. 5	.0		1.8	
	22+	•0	.0	•0	.0	.0	•0	.0	.0	•0		.0	
	TOT %	.6	•1	• 6	1.7	,6	-1	•6	.9	.0	•0	5.1	
	0-3	•2	•0	•2	.4	.0	.0	-0	.1	.0	1.0	2.0	
5<10	4-10	1.1	. 6	• 4	2.8	1.2	. 6	1.2	1.3	.0		9.4	
	11-21	•2	• 1	•1	2.3	2.6	• 0	•0	1.4	•0		5.6	
	22+	.0	:9	.0	5:1	3.1		. 2	.0	.0		17:7	
	TOT \$	1.5	•7	.7	5.7	3,1	.6	1.4	2.0	.0	1.2	17.7	
	0-3		1.2	1.4	2.2	3.1	1.2	1.1	1.9	.0	4.0	16.7	
10+	4-10	2.2	3.3	4.6	13.7	7.7	2.7	3.	5.3	.0		43,2	
	11-21		. 3	• 6	7.7	2.5	• 1	• 6	2.2	.0		14.9	
	22+	.0	.0	. • 1	6	0	.0	0	2	.0			
	TOT \$	3.6	4.8	6.7	24.2	13.2	4.0	5.4	9.6	.0	4.0	75,7	

PERIOD: (PRIMARY) 1891-1968 (OVER-ALL) 1360-1968

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.75 101.66

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000÷	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	.0	.0	13.6	22.7	4,5	.0	.0	.0	•0	40.9	59.1	22
60367	.0	14.3	.0	•0	.0	14.3	.0	.0	.0	•0	28.6	71.4	14
12615	.0	.0	•0	25.0	6.3	6,3	12.5	.0	.0	•0	50.0	50.0	16
18621	.0	7.1	-0	•0	28.6	28.6	•0	-0	•0	•0	64.3	35.7	14
TOT PCT	.0	, 3 , 1	•0	7 10.6	10 15.2	12.1	3.0	.0	.0	•0		36 54.5	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	VSBY	(NH)	BY HOUR		CUMULAT					VSBY (NM) 100R	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50Y0	<600 <1	<1000 <5	1000+ AND5+	NH <5'8 AND 5+	TOTAL OBS
00603	.9	.9	.9	8.6	14.7	74.1	116	00003	•0	.0	13.6	27.3	59.1	22
90360	.5	•0	.5	2.1	9.7	87.2	195	06209	•0	14.3	14.3	14.3	71.4	14
12615	1.0	1.0	•0	4.0	22.0	72.0	100	12615	•0	•0	25.0	25.0	50.0	16
18381	•0	.5	.5	6.7	25.3	67.0	194	18621	•0	7.7	7.7	61.5	30.8	13
TOT PCT	3	.5	, 5	31 5.1	107		605 100•0	TOT PCT	•0	4.6	10 15.4	20 20.8	35 53.8	65 100•0

TABLE 13														TABL	E 14					
	PERCI	ENT FR	EQUENC	Y QF F	ELATIV	E HUNT	DITY B	Y TEMP				PERC	ENT FA	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT FFEQ	N	NE	E	SE	s	SH	W	NW	VAR	CALH
80/84	.0	.0		.(33.3	35.1	3.5	41	71.9	.9	.0	5.7	39.0	9.6	1.8	3.5	7.9	.0	3.5
75/79	.0	.0	0	. (0.0	.0	12.3	8.8	12	21.1	3.5	2.2	1.8	.0	1.8	.0	3.1	1.1	.0	.0
75/79 70/74	.0	.0	0	. (0.0	.0	1.8	5.3	4	7.0	1.3	.0	.0	3.9	1.3	.0		. 4	. 0	.0
TOTAL	0	0	0		0	19	28	10	57	100.0			• • •	•		• • •		-		• • •
BCT		. 0				22.2	40.1				6.2		7 4	43.0	12 7		4.4	47 1	^	2.5

				TAS	LE 15									TABLE	16			
	MEANS,	EXTREM	S AND	PERCEN	TILES	OF TE	4P (DE	G F)	BY HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIH	BY HOUR	1
HOUR (GMT)	XAM	99%	952	50x	54	1%	HIN	HEAM	TOTAL OBS	Hgur (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAM	TOTAL
00803	87 73	87 89	84 87	81 82	76 78	74 75	73 73	80.3	556 1060	00003 00360	.0	.0	•0	25.0	45.0	30.0	85 79	20 13
12615 18621 TOT	94 88 94	87 86	85 83 86	81 80 81	76 76 76	74 73 74	72 70 70	81.0 79.8 81.0	524 1043 3183	12615 18621 TOT	•0	•0	•0	15.4 41.7	76.9 41.7 29	7.7 16.7	83 61 82	13 12 58

PAGE 098

C C

() 0 CCTORER

P2NIJD1 (PRIMARY) 1891-1968 (DVER-ALL) 1860-1968

ARLE 17

APEA 0001 SOUTHEAST SUMATRA 3.75 101.66

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIF-PRENCE (DEG F)

AIR-SEA	73 76		81 84	85 88	TOT	W FOG	#0 F0G
4	.0	.0	.0	1.3	1	.0	1.3
3	.0	-0	1.3	.0	i		1.3
2	.0	•0	2.6	. 0	ž	.0	2.6
3 2 1 0	.0	•0	7.7	.0	ě	.0	7.7
ä	.0	2.6	20.5	.0	18	.ŏ	23.1
-1	.0	1.3	15.4	•0	13	.0	
-ż	1.3	7.7	11.3	ě			16.7
-3					16	•0	20.5
		5.1	2.6	•0	6	٠.	7.7
-4	1.3	5.1	2.6	• 0	7	•0	9.0
-5	1.3	3.8	.0	.0	6	.0	5.1
-6	1.3	1.3	.0	.0	2	. 6	2.6
-7/-8	.0	2.6	.0	.0	2	.0	2.6
TOTAL	4		50	••	•	ě	77
		23	•	,	78	•	• • •
PCT	5.1	29.5	64.1	1.3	100.0		100.0

PERIOD: (DVER-ALL) 1963-1968

TABLE 13

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 22-23-25 26-32 33-40 61-70 71-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-86 77-70 77-70 77-86 77-70 77-80 77-80 77-70 77-80 1-3 11-21 1-3 25.0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-4/41-68 49-60 61-70 71-86 50 7 PCT 1-3 4-10 11-21 1-3 4-47

	4000		1041	04.0					OCTOBER				4054	0001	CULLANE	ST SUMATRA
PERIOD	(DVE)	-ALL I	1963-1	908				TABLE	18 (CONT)			ANEA		75 101	
				PC	T FREQ S	F WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	EA HEIG	HTS (FT	,		
												SW				
HST	1-3	4-10	11-21	S 22~33	34-47	48+	PCT		1-9	4-10	11-21	22-33	34-47	48+	PCY	
41	.0	.0	.0	.0	.0	٠٥.	.0		.0	.0	.0	.0	•0	.0	•0	
1-2	•0	.0	•0	.0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
3-4	•0	.0	•0	•0	•0	.,	•0		•0	.0	•0	٠0	•0	•0	•0	
5-6 7	•0	•0	•0	•0	•0	.0	•0		•0	.0	•0	•0	:0	:0	•0	
8-9	.0	•0	•0	•0	.0	.0	•0		.0	.0	.0	.0	.0		.0	
19-11	.0		.0	.8	ŏ	.5	ě		.0	ō			.0		.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		•0	.0	.0	.0	
13-16	.0	.0	.0	•0	.0	•0	.0		.0	.0	.0	.0	.0	.0	•0	
17-19	.0	.0	.0	•0	.0	•0	.0		•0	.0		•0	.0	.0	.0	
20-22	.0	.0	•0	•0	.0	•0	.0		•0	.0		•0	.0	•0	• 0	
23-25	•0	.0	• 0	•0	•0	•0	•0		•0	.0		•0	•0	.0	•0	
26-33	•0	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	.0	•0	
33-40	•0	.0	.0	.0	.0	•0	.0		.0	.0		•0	•0	.0	.0	
45-46	.0	.0	•0	.0	.0	.0	.0		.0	.0		:0	.0	.0	:0	
61-	.0	:0	•0	.0	.0	•0	.0		.0	.0		.0	.0		.0	
71-2	·ŏ	.ŏ	.0		:0	.0	.0		ŏ			ŏ	.0		.0	
87+	.ŏ	.0	.0	.0	.0	.0	.0		.0	.0		.0	•0	.0	.0	
TOT PCT	,0	.0	•0	.0	.0	.0	•0		, o	,0		.0	.0	.0	.c	
				v								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	₽CT
<1	.0	.0	•0	.0	.5	•0	•0		•0	8.3		.0	•0	.0	8.3	
1-2	.0	.0	•0	•0	•0	•0	.c		•0	•0		.0	•0	.0	•0	
3-4	.0	.0	•0	•0	•0	• •	.0		.0	.0		.0	•0	.0	.0	
5-6	.0	.0	•0	•0	•0	.0	•0		.0	.0		•0	•0	.0	.0	
7 8-9	.0	.0	•0	.0	.0	.0	.0		.0			.0	.0	:ŏ	.0	
10-11		.0	.0	.0	.0		•0		.0			.0	.0	.0	.0	
12			.0		.0		.0		.0			.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	•0		.0	• 0		.0	•0	.0	•0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	• 0		.0	•0	۰.	.0	
20-22	.0	.0	•0	.0	•0	.0	•0		•0	• 0		•0	•0	•0	•0	
23-25	• 0	.0	•0	.0	.0	.0	•0		.0	• 9		•0	•0	•0	•0	
26-32	.0	•0	•0	•0	•0	.0	•0		.0			•0	•0	•0	•0	
33-40	•0	٠.	•0	•0	•0	•0	•0		•0	• 0		•0	•0	:0	•0	
41-48	.0	.0	•0	.0	•0	•0	•0		•0			•0	.0		•0	
61-70	.0	.0	•0	.0	.0	.0	•		•0	:		.0	.0		•0	
71-85	.0		ŏ		ě							.0	.0		•0	
87+	ō	.0	ŏ	.0	, 6	.0			.0			.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	• 0		.0	8,3		•0	.0	.0	8.3	100.0
101 PCT	.0	.0	•0	•0	.0	•0	• 0	,	•0	•••	• •0	•0	•0	•0	0.5	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нот	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT UBS
<1	25.0	50.0	.0	.0	.0	٠.	75.0	083
1-2	•0	.0	.0	. 6	.0	.0	.0	
3-4	.0	ŏ	ě	ŏ	.0	.0	.ŏ	
5-6		.0	.0	ŏ	.0	.0	.0	
7	.0	.ŏ					.0	
			0					
8-9	•0	.0	25.0	.0	.0	.0	25.0	
10-11	•0	.0	•0	.0	.0	.0	.0	
12	•0	•0	•0	.0	•0	.0	.0	
13-14	.0	•0	•0	.0	.0	•0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	. 2	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	•0	•0	•0	
33-40	.0	.0	.0	.0			.0	
41-48	•0	.0	.0	.0			.0	
49-60	•0	•0	.0					
61-70		•0	.0				.0	
71-85	:0							
		•0	.0					
874	•0	+0	•0	.0	•0	•0	•0	
								•

PERIOD	: (OY	ER-ALL) 194	·\$-1961	B PERCENT	FRE	QUENCY	OF WA	TABLE VE HEI	•	·) VS	WAVE P	ERIDD	{SECON	D\$)						
PERIOD	<1	1-2	3-4	5-6	7	1-7	10-11	12	13-16	17-19	20-22	23-25	26-52	33=40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
(SEC)															_	_	_		_	_	HGT
<6	.0	5.0	5.0	1,7	3.3	.0	.0	.0			:0	•0	.0		.0			,0	.0		4
6-7	•0	3.3	11.7	8.3	10.0	6.7	.0	.0	• • • •	.0	.0	•0	.0	0	•0	.0	.0	•0.	.0	24	5
8-9	•0	.0	6.7	10.0	6.7	1.7	5.0	1.7	•0	.0	:0	.0	.0	.0	•0	.0	.0	.9	.0	19	6
	•0	1.7	.0	3.3	.0	• 0	•0	• 0	• 0	.0	.0	•0	.0		.0	.0	•0	.0	.0	3	4
10-11 12-13	.0		ŏ	.0	.ŏ	.0	٠ŏ	٠ŏ			:0	.0	.0		.0			•0	.0	0	
>13	•0	.0	.0	.0	.0	.0					.0	•0			.0	.0	.0	.0	-0	٥	
INDET	.0	3.3	3.3	1.7	•0	.0		• 0			.0							.0	.0	5	3
TOTAL	• • • •	- '	16	15	12	٠,	· ĭ	- 1	ő		Ĭ	ŏ			Ŏ			ŏ	ò	60	5
PCT	•ŏ	13.3	26.7	25.0	20.0	4.3	5.0	1.7	• • •		.0			-	٠ŏ	•	• • •	•ŏ	•0	100.0	-

PAGE 060

€ €

0 0

								HOVEHB	ER						
PERIUD:	(PRIMARY) (OVER-ALL)	1891-1971 1861-1971						TABLE	1			AREA 0001	\$001 3.75	HEAST SUMA	TRA
				•	ERCENT	FREQU	JENCY O	F WEATHER	OCCURRENCE	BY WI	ND DIE	RECTION			
				PRECIPI	MITAT	TYPE					OTHER	WEATHER	РНЕНО	IENA	
	WND DIR	RAIN RAI! Shwi	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST Hour	THOR LTNG	FOG WD PCPN	FOG WO PCPN PAST HE	SHOKE HAZE	SPRAY BLWG DUST	NO SIG

WND DIR	RAIN	RAIN SHWR	DRTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIPY	PCPN PAST Hour	THOR	FOG WD PCPN	FOG WD PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N	32.0	.0	.0	.0	.0	•0	•0	32.0	12.0	.0	•0	.0	.0	•0	56.0
NE	66.7	.0	.0	.0	•0	• 0	٠.٥	66.7	.0	ò	٠٥	.0	•0	.0	33.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	•0	75.0
ŠE	10.4	. o	5.2	.0	•0	• 0	.0	10.4	5.2	1.3	• 0	•0	•0	•0	83.1
Š	.0	.0	.0	.0	•0	.0	.0	• 0	•0	.0	.0	•0	.0	•0	100.0
Š₩	50.0	.0	.0	• 0	•0	•0	.0	50.0	•0	.0	.0	.0	•0	•0	50.0
¥	44.7	. 0	.0	.0	.0	.0	• 0	44.7	7.9	.0	• 0	.0	•0	• 0	47.4
Nw	11.6	4.2	.0	.0	•0	.0	• 0	15.8	14.7	.0	4.2	.0	•0	• 0	65.3
VAR	.0	.0	.0	.0	.0	.0	.0	• 0	• 0	.0		.0	•0	•0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	•0	50.0	.0	.0	•0	.0	50.0
TOT PCT TOT OBS:	17.6 74	1.4	1.4	•0	•0	•0	•0	18.9	8.1	2.7	1.4	•0	•0	•0	68.9

TARLE 2 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SHOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	11.8 14.3 11.6 35.7	5.9 .0 .0	.0 .0 .0 7.1	.0	.0		.0	17.6 14.3 11.8 35.7	23.5 .0 5.9 7.1	5.9 5.9	.0 3.6 .0	.0	•0	•0	52.9 82.1 76.5 57.1
TOT PCT	17.1 76	1.3	1.3	.0	•0	•0	•0	18-4	7.9	2.6	1.3	.0	•0	•0	69.7

TABLE 3 PERCENTAGE FREQUENCY OF WIND SIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	12	15	15	21
N NE	1.2 1.0 1.1	5.9 3.4 4.1	2.4	.0		•0		9.8 5.0 5.7	6.5 6.7	12.7 9.1 8.0	•0 •0	9.5 3.0 3.2	5.0 .6 1.9	7.4 3.3 4.5	16.7 .0 8.3	11.6 7.2 7.7	13.3 6.6 8.8
SE S	2.3 1.7	10.4	5.3 2.1	.5	•0	•0		16.9	9.0 7.7	19.6	50.0	22.6 7.9	18.1	16.6	8.3	18.0	18.5 7.6
5 M M M M M	1.6 2.1	4.5 6.8 13.1	2.6 7.5	.2 1.5		•0		6.3 11.3 26.2	8.6 10.7	2•2 7•9 26•4	•0	4.9 9.4 30.8	10.6 17.9 26.6	14.7 25.5	16.7 33.3	5.5 9.9 23.3	5.9 8.3 24.4
VAR CALH TOT OBS	•0 ••5 570	.0 16 8 3	•0 721	•0 79	•0 5	•0	3058	6.5	.0 .0 8.2	6.7 504	•0	•0 ••6 541	•0 ••• 560	.0 4.7 487	•0	.0 6.5 510	•0 6•7 50\$
TOT PCT	14.6	55.0		2.6	• 2	•0	••••	100.0			100.0	100.0			100.0		

					TAB	LE 3A						
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL CBS	PCT FREQ	MEAN SPD	00 03	HQUR 00 07	(GHT) 12 15	18 21
HE E SE S SH W W WW VAR CALM TOT OBS 1	4.2 2.9 3.2 7.4 5.1 3.9 5.4 2.0 5.7	4.5 2.0 2.4 9.8 4.6 2.3 6.7 14.0	1.0 .1 1.6 .6 .1 .9 4.8 .0	.0	000000000000000000000000000000000000000	3058	9.8 5.7 18.9 10.3 6.3 11.3 26.2 .9	8.6 6.5 6.7 9.0 7.7 6.4 8.6 10.7	12.6 9.1 8.2 19.5 7.5 2.2 7.9 20.3 .0 6.7 506	20.5 11.2 7.7 13.5 28.8	7.5 3.2 4.6 16.5 14.1 14.7 25.6 4.7 423 100.0	12.4 6.9 8.3 18.2 9.0 5.7 9.1 23.9 .0 6.6

NOVEMBER

PERIOD: (PRIMARY) 1891-1971 (OVER-ALL) 1861-1971

TARLE 4

AREA 0001 SOUTHEAST SUMATRA 3.75 101.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HDUR	CALM	1-3	4-10		SPEED .		48+	MEAN	PÇT FREQ	TOTAL OBS
00603	6.7	14.4	54.5	21.9	2.0	.4	.0	7.7	100.0	506
90300	7.1		54.2	25.6	1.9	.0	.0	8.3	100.0	1041
12615	4.7	13.2	54.4	25.6	2.0	. 2	.0	8.4	100.0	493
18621	6.6	11.5	56.5	21.4	3.8	.2	.0	8.2	100.0	1.18
TOT	198	372	1683	721	79	5	0	8.2		3058
PCT	6.5	12.2	55.0	23.6	2.6	. 2	.0		100.0	

TABLE 5

TABLE 6

	PCT FRE			CLOUD A		(EIGHTHS)		1					CEILIN NH <3/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TCTAL CBS	MEAN CLOUD COVER	000 149	15n 29 q	300 599	600 999	1000 1999	2000 3499	3500 4399	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	•0	.0	2 • 2	1.6		7.4	•0	•0	.0	1.6	•0	•0	.0	•0	•0	•0	2.2	
NE	.0	.0	.0	2.2		8.0	•0	.0	2.2	.0	.0	•0	.0	•0	•0	.0	.0	
E	.0	.0	1.6	1.6		7.5	.0	• 0	•0	•0	.0	1.6	.0	•0	•0	• 0	1.6	
ŠE	.0	4.3	20.7	4.9		6.5	•0	• 0	.0	.0	13.0	5.4	.0	•0	•0	•0	11.4	
Č	.0	.0	3.8	2.2		7.0	•0	• 0	.0	.0	.0	1.6	.0	•0	.0	.0	4.3	
Š₩	.0	.o	2.2	•0		6.0	•0	.0	.0	.0	.0	• 0	.0	•0	•0	.0	2.2	
¥	.0	.0	1.6	8.2		7.5	•0	• າ	.0	1.6	4.9	• 0	.0	•0	•0	•0	3.3	
Ñ₩	2.2	.0	13.6			7.1	•0	• 0	.0	1.1	6.0	4.3	4.3	•0	•0	•0	22.8	
VAR	.0	.0	•0			•0	•0	•0	.0	•0	.0	•0	.0	•0	•0	.0	•0	
CALM	ě	.ŏ	.ŏ			8.0	• 0	.0	.0	.0	.0	.0	.0	•0	.0	.0	4.3	
TOT DAS		ž	21	22	46	7.0	ő	ň	1	2	11	6	ž	Ó	0	0	24	46
TOT PC		4.3	45.7		100.0		•ŏ	٠ń	2.2	4.3	23.9	13.0	4,3	•0	•0	•0	52.2	100.0

TARLE 7

CUMULATIVE PCT FREQ	DE REMINITANEDUS	OCCURRENCE
OF CEILING HEIGHT		

				VSBY (NH	1)			
CEILING	• OR	● CR	e OR	= DR	• DR	• OR	= OR	⇒ DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	.0	•0	.0	.0	.0	.0	•0	.0
■ DR >5000	.0	.0	.0	.0	.0	.0	•0	.0
■ DR >3500	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
■ DR >2000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
• DR >1000	23.9	39.1	41.3	41.3	41.3	41.3	41.3	41.3
■ DR >600	26.1	41.3	45.7	45.7	45.7	45.7	45.7	45.7
- DR >300	26.1	41.3	47.8	47.8	47.8	47.8	47.6	47.8
• DR >150	26.1	41.3	47.8	47.8	47.8	47.8	47.6	47.8
• DR > 0	26.1	41.3	47.8	47.8	47.8	47.8	47.8	47.8
7074					22	22		• • • •

OTAL NUMBER OF ORSE 4A

•

1

PCT FREQ NH <5/81 52.2

TABLE 7A

PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0	1	2	3	•	5	6	7	8	OBSCD	CBS
2.1	2.1	10.6	23.4	12.8	6.5	14.9	10.6	14.9	•0	47

N	n	٧ē	Ħ	R	E	ı

PERIOD: (PRIMARY) 1891-1971 (OVER-ALL) 1861-1971	TABLE 8	AREA 000	SOUTHEAST SUMATRA 3.75 101.6E
	PERCENT FRED OF WIND DIRECTION VS OCCURRENCE OR NON-OCCUR! PRECIPITATION WITH VARYING VALUES OF VISIBILITY	RENCE OF	

			_	PREC	IPITAT	ION WIT	H VAR	AIME A	ALUES	OF VIS	IBILIT	TY	_
VSBY (NH)			NE	E	SE	s	Sw	w	NW	VAR	CALH	PCT	TOTAL
	PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	
<1/2	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	۰.	
	TOT %	.0	• 0	•0	.0	• 0	.0	.0	.0	.0	•0	۰,	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
1/2<1		.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	۰,	
	TOT %	.c	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
	PCP	.0	.0	.0	.0	•0	•0	1.4	1.4	.0	•0	2.7	
1<5	NO PCP	.c	.0	.0	•0	• 0	.0	.0	.0	.0	•0	.0	
	TOT %	.0	•0	•0	.0	•0	•0	1.4	1.4	.0	•0	2.7	
	PCP	2.7	1.4	•0	•0	•0	1.4	3.4	2.0	•0	•0	10.8	
2<5	NO PCP	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
	TOT %	2.7	1.4	.0	.0	1.4	1.4	3,4	2.0	.0	•0	12,2	
	PCP	.0	.0	.0	2.7	•0	•0	1.0	. 3	•0	•0	4.1	
5<10	NO PCP	3.4	.7	1.0	7.1	1.4	• 0	5.4	8.1	.0	•0	27.0	
	TOT %	3.4	.7	1.0	9.8	1.4	•0	6.4	8.4	•0	•0	31,1	
	PCP	.0	.0	.0	•0	•0	•0	.0	1.4	.0	•0	1.4	
10+	ND PCP	2.4	.0	3.0	16.2	6.4	1.4	1.7	18.9	•0	2.7	52.7	
	TOT \$	7.4	.0	3.0	16.2	6.4	1.4	1.7	20.3	•0	2.7	54.1	
	TOT 085												74
	TOT PCT	8.4	2.0	4.1	26.0	9.1	2.7	12.0	32.1	-0	2.7	100.0	

TABLE 9

VSBY (NH)	SPD KTS	N	NE	E	SE	S	3 W	×	NW	YAR	CALM	₽¢T	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-,-
<1/2	4-10	.ŏ	.0	.0		ŏ	,ŏ	.0	. 0	.ŏ	•••	.0	
	11-21	.ŏ	.0	.0	·ŏ	.0	.0	.0	.0	.0		, ò	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	•0	.0	•0	•0	•0	.0	.0	.0	.0	•0	.0	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1		.0	.0	•0	•0	.0	.0	.0	.0	•0		.0	
	11-21	. 1	.0	•0	.0	.0	.0	.0	-1	.0		.2	
	22+	•0	•0	• 0	•0	•0	.0	.0	.0	.0		.0	
	TOT \$	•1	•0	•0	•0	•0	.0	.0	-1	•0	•0	.2	
	0-3	•0	.0	.0	•0	•0	.0	•0	.0	.0	.2	.2	
1<2	4-10	•0	•0	•0	•2	.3	.0	• 1	.3	•0		.9	
	11-21	• 1	•0	•1	• 1	ç,	•0	.2	• •	.0		. 9	
	22+	.0	.0	•0	•0	•0	.0	.0	•0	.0		.0	
	TOT \$.1	.0	• 1	.3	.3	.0	.3	.7	•0	.2	1.9	
	0-3	.0	.0	•0	.0	•0	.0	.2	•0	.0	.0	.2	
2 < 5	4-10	.3	٠z	• 2	.4	•7	. 3	.9	.6	•0		3.5	
	11-21	.3	•0	•0	•0	•0	•0	.3	.6	•0		1.2	
	22+	• 0	•0	•0	•0	•0	٠.٥	0	2	•0	_	2	
	TOT X	.6	•2	•2	• •	.7	.3	1.3	1.4	•0	•0	5.0	
•	0-3	. • 1	. • 4	• 2	. 6	•1	• 1	2	. • •	.0	.3	2.4	
5<10		1.4	1.3	.7	1.6	. 9	.7	1.9	4.0	.0		12.5	
	11-21	.3	.2	•0	•7	•0	.3		2.0	•0		4.3	
	22+ TOT \$	1.0	1.9	:0	2.9	1:0	1:1	2:9	6.5	:0	.3	19.4	
	0-3	1.0	1.1	.7	1.4		1.0	2.3	2.0	.0	3.4	14.0	
10+	7-10	6.0	3.0	2.2	7.3	4,9	4.9	4.8	12.9		,,,	45.9	
•••	11-21	1.4		.4	2.3	1.3	. 3	1.3	6.4	.ŏ		13.3	
	22+	. 0	.0	.0	•1	.1	.0	•0	.0	.0		.2	
	TOT %	8.4	4.2	3.2	11.1	7.0	6.2	8.4	21.2	·ŏ	3.4	73.5	

N	^	 -	E	۰

PERIUD: (PRIMARY) 1891-1971 (OVER-ALL) 1861-1971

TABLE 10

AREA 0001 JTHEAST SUMATRA 3.75 101.6E

PERCENT	FREQUENCY OCCUP	OF CE	ICING OF N	HEIGHTS	(FEET, NH	>4/8)	AND

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	\$500 4999	5000 6499	6500 7999	8000 +	TOTAL	8\2> HK 10h YAA	TOTAL OBS
00603	.0	.0	•0	6.3	31.3	6.3	6.3	.0	.0	•0	50.0	50.0	16
06609	.0	.0	•0	•0	28.6	14.3	7.1	.0	.0	•0	50.0	50.0	14
12615	.0	•0	•0	12.5	25.0	.0	•0	•0	.0	•0	37.5	62.5	
18621	.0	•0	12.5	•0	•0	37.5	.0	•0	۰.	•0	50.0	50.0	8
TOT	0	0	2.2	2 4.3	11 23.9	13.0	4.3	.0	.0	.0	22 47.8	24 52•2	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DB\$
00003	•0	1.1	3.2	5.4	17.2	73.1	93	00603	•0	-0	18.8	37.5	43.8	16
90360	•0	.0	1.5	2.0	14.8	81.6	196	06609	•0	•0	.0	50.0	50.0	14
12615	•0	.0	1.0	6.8	25.2	67.0	103	12615	.0	•0	12.5	25.0	62.5	8
18621	.0	.0	2.1	6.9	23.4	67.6	186	18621	•0	12.5	12.5	37.5	50.0	8
TOT PCT	.0		11 1.9	29 5.0	115 19.8	424 73•1	580 100•0	TOT PCT	•0	2.2	10.9	18 39.1	23 50•0	46 120•0

TARLE 13

TABLE 14

					ABLP 1.	,										• ••				
	PERCE	NT FRE	EOUENC	Y OF R	ELATIV.	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EOUF4C	Y OF W	IND DI	RECTIO	N BY T	EHP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DOS	PCT	N	NE	ε	38	S	SW	W	NW	VAR	CALM
85/89 80/84 75/79	.0	.0			2.8	2.8	16.7	16.7	2	5.6 41.1	.0	.0	.0	2.8	1.4	1.4	4.2	26.4	:0	:0
80/84	.0	.0	•0	•0	2.8	25.0	16.7	16.7	22	41.1	•0	•0								
75/79	.0	.0	•0	.0	.0	.0	25.0	8.3	12	33.3	4.9	.0	2.1	6.3	•0	•0	4.2	16.0	•0	.0
TOTAL	Ö	0	0	0	2	10		9	36	100.0										
BeT	-0	٠.		-0	E.A	27.A	41.7	25.0			6.9	.0	4.7	29.9	7.6	2.8	2.3	42.4	•0	-0

TABLE 13

(

TABLE 16

	MEANS, EXTREMES AND PERCENTILES OF TEMP (CEG F) BY HOUR									PERCENT FREQUENCY OF RELATIVE MUMINITY BY MOUR								
HOUR (GMT)	MAX	992	95 g	50 %	5 x	18	HIN	MEAN	TOTAL 085	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	40-100	HEAN	TOTAL DBS
00003 06009 12615 18621 TOT	91 95 92 92 95	86 89 86 85 87	84 87 84 83	80 82 81 80	76 77 76 75 76	74 74 75 73 74	70 72 72 72 70	80.1 82.2 80.8 79.5 80.7	503 1030 487 1010 3030	00603 06609 12615 18621 TOT	•0	•0	20.0 .0 .0 .0	6.7 60.0 40.0 16.7	66.7 •0 •0.0 50.0	26.7 20.0 20.0 33.3	87 78 83 87 84	15 10 5 6 36

PAGE 094

PERIODI (PRIMARY) 1891-1971 (DVER-ALL) 1861-1971

TABLE 17

AREA 0001 SQUTHEAST SUMATRA 3.75 101.6E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

-								
AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	FOG	FOG
5	.0	•0	.0	1.4	1.4	2	.0	2.8
4	.0	.0	.0	2.8	1.4	3	.0	4.2
2	.0	• 0	.0	5.6	1.4	3 5	• 0	7.0
ī	.0	•0	.0	4.2	1.4	•	.0	5.6
ŏ		•0	2.8	9,9	.0	ġ	• 0	12.7
-ī		•0	4.2	15.5	.0	14	1.4	18.3
-ž		•0	4.2	3.6		• • • •		9.9
-2 -3	.0	•0	7.0	1.4	.0	6	•0	8.5
-4	.0	2.6	12.7	1.4	• 0	12	•0	16.9
-5		2.8	2.8		.0		•0	5.6
-6		1.4			.0	ĩ	•0	1.4
-7/-8	.0	1.4	1.4	.0	.0	ž	.0	2.8
-9/-10					.0	•		
	.0	1.4		•0		4	• 0	1.4
-11/-13	1.4	•0	.0	•0	•0	1	• 0	1.4
TOTAL	1		25		4		1	70
		7		34		71		
PCT	1.4	9.9	35.2	47.9	5.6	100-0	1.4	98.6

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE				
HGT	1-3	4-10	11-21	22-33	34-67	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	.0	•0	•0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	•0	•0	.0	-0	•0	.0	.0	.0	.0	•0	.0	.0	
7	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
8-9		.0	•0	•0	.0	.0	•0	•0	.0	.0		•0		•0	
10-11	.0	.0	•0	.0	•0	.0	.0	.0	•0	.0	.0	•0	•0	.0	
12	.0	.0	•0	.0	.0	•0	•0	.0	• 0	.0	.0	•0	•0	.0	
13-16	.0	.õ	.0	.0	.0	.0	•0	ŏ	.0	.0	.3	.0	.0		
17-19	.0	.0	•0	.0	.0	•0	•0	.0	•0	.0	• •	•0	•0	.0	
20-22	. 0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	
23-25	. 5	.0	•0	•0	•0	•0	•0	. 0	.0	.0	.0	•0	.0	.0	
26-32	. 0	.0	•0	•0	.0	.0	.0	ō	• 0			• 0		.0	
33-40	.0	.0	•0	.0	.0	•0	•0	•0	.0		.0	•0		.0	
41-48	.0	.0	•0	•0		•0	• 0	.0	.0	.0		•0	.0	.0	
49-60		.0	•0	•0	.0	.0	.0	•0		.0		•0	.0		
61-70	.c	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0		
71-86	.ŏ		.0		ě		•0	ŏ	.0	.0	.0	.0	.ŏ	.0	
87+		.0	•0			.0	• 6	.0	:0	.0	.0	•0	.0	:0	
TOT PCT	.0	٥.	•0	.0	.0	•0	•0	.0	.0	.0		•0	.0	.0	
-				-		_		-		•				•••	
HGT	1-3	4-10	11-21	E 22-93	34-47	48+	PCT	1-3	4-10	11-21	\$E 22-33	34-47	48+	PCT	
<i< td=""><td>.0</td><td>.0</td><td>•0</td><td>•0</td><td>•0</td><td>• 0</td><td>•0</td><td>.0</td><td>• 0</td><td>.0</td><td>•0</td><td>•0</td><td>.0</td><td>• 0</td><td></td></i<>	.0	.0	•0	•0	•0	• 0	•0	.0	• 0	.0	•0	•0	.0	• 0	
1-2	, o	.0	.0	.0	.0	.0	.0	.0	ō			.0		.ŏ	
3-4	.0	.0	•0	•0	.0	•0	.0	.0	.0	41.7	.0	• 0	.ŏ	41.7	
5-6	.õ	.0	•0	•0	.0	.0	•0	ŏ	.0		•0	•0	.0		
7	, ŏ	.0	•0	.0	.ŏ	.0	.0	.0	.0						
8.9	.0	.0			.0	•0	.0	,ŏ	, ŏ			·ŏ		.0	
10-11	.0	.0	•0	•0	.c	•0	.0	.0	•0	•0		•0	.0	•0	
12	.0	.0	• 5	•0	•0	.0	.0	.0	.0	.0	• 0	•0	.0	•0	
13-16	.0	·G	•0	•0	.0	•0	•0	.0	•0	.0	.0	•0	·ŏ	.0	
17-19	.0	Ó	•0	.0	.0	.0	•0	•0	.0	.0	.0	• 0	.0	.0	
20-22	.0	.0	•0	•0	.0	.0	•0	.0	.0	.0	.0	• 0	.0	.0	
23-25	.0	.0	•0	•0	.0	.0	•0	.0	•0	.0	.0	•0	.0	.0	
26-32	.0	•0	•0	•0	• 0	•0	•0	•0	• 0	•0	.0	•0	.0	•0	
33-40	•0	•0	•0	•0	•0	•0	+0	.0	.0	•0		•0	•0	•0	
41-48						•0	.0	•0	.0	.0	.0	•0	.0	٠.٥	
41-48	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0	
49-40	.0	•0	•0	•0	.0	•0	٠0	•0	.0	.0	.0	•0	.0	•0	
	.0	.0	•0	•0	.0		•0	•0	.0	•0	•0	•0	.0	•0	
49-40 61-70 71-86	.0	••	•0	•0	.0	•0	•0	•0	.0 .0	•0	.0	•0	.0	•0	
49-40 61-70	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
c1	.0	•0	.0	.0	.0	.0	.0	003
1-2	•0	•0	.0	.0	.0	.0	.0	
3-4	.0	.0	100.0	. 0	.0		100.0	
5-6	.0	•0	.0	.0	.0	.0	.0	
7		.0	.0	ŏ	.0		ŏ	
8-9	.0	.0	.õ	. 0	.0	.0	.0	
10-11		•0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0		.o	
13-16	.0	.0	.0	.0			.ŏ	
17-19	ě	:ŏ						
20-22	.ŏ			ě	.0		ŏ	
23-25	.0		.0		.0		.0	
26-32	.0			.0	•0		.0	
33-40	.0	.ŏ					.0	
41-48	·ŏ						.ŏ	
49-60	.0		.0					
61-70	.0	:0	.č				.0	
71-86	٠.	.0					.0	
87+	.0	:0	.0		.0	.ŏ	.0	
9/4	•0	•0	.0	•0	.,	••	.0	3
TOT POT	.0	.0	100.0	.0	.0	.0	100.0	,

PER100	: (01	ER-ALL	1 194	9-1971					TABLE	19											
					PERCENT	FRE	QUENCY DI	F WAY	VE HEIG	HT (F	Y) VS 1	IAVE PI	RIOD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17~19	20-22	23-25	26-32	33-40	41-48	49-, 0	61-70	71-86	87+	TOTAL	MEAN HGT
<6	•0	4.5	20.5	4.5	4.5	.0		.0	.0	.0		.0	.0	.0	.0	۵.	.0	.0	۰.	15 18	:
6-7 8-9	•0	2.3	15.9	13.6	9.1 4.5	2.3	.0	:0	.0	.0	:6	.0	.0	•0	•0	3:	:0	:8	:0	18	6
10-11 12-13	•0	•0	2.3	.0	.0	.0		•0	•0	.0	:0	•0	•0	•0	•0	.0	.0	•0	٠٥	1	3
12-13 >13	•0	•0	•0	.0	.0	.0	•0	.0	.0	.0	.0	•0	•0	•0	•0	.0	.0	•0	.0	ŏ	
INDET	•0	.0	2.3	.ŏ	2.3	.0		.0	.0	.0		•0	•0			.0	.0	•0	.0	. 2	5
TOTAL	0	4.3	19	27.3	20.5	7.2	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	100,0	•

PAGE 066

() ,)

')

DECEMBER

PER100:	(PRIMARY)	1889-1970
		1466 1050

TABLE 1

AREA 0001 SDUTHEAST SUMATRA 3.75 101.6E

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	81	MIND	DIRECTION

			P	RECIPI	DITAT	N TYPE					OTHER	MEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNO#	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUS' BLWG SNO	
N	13.6	.0	.0	.0	.0	.0	.0	13.6	13.6	.0	.0	.0	.0	.0	72.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.ŏ	16.7	, ŏ	• 0	.0	66.7
SE	.0	8.0	.0	.0	.0	•0	.0	8.0	•0	8.0	.0	.0	.0	.0	84.0
Š	46.2	.0	.0	.0	.0	.0	.0	46.2	• 0		•0	.0	•0		53.8
Šw	87.5	.0	.0	.0	.0	.0	.0	87.5	• 0	.0	•0	.0	•0	•0	12.5
¥	13.5	15.4	.0	.0	.0	.0	.0	28.8	•0	.0			• 0	• 0	71.2
Ñþ	13.6	5.2	.0		.0	.0	.c	18.8	8.4	2.6		.0	•0	•0	72.7
VAR	.0		.0		•0	.0	• 0		•0	0		ě	•0	. ö	. 0
LALM	.0	.0	.0	.0	.0	.0	.0	.0	•0	20.0	.0	.0	.0		80.0
TOT PCT	12.6	5.7	•0	•0	•0	•0	•0	18.4	5.7	3.4	1-1	•0	•0	•0	72.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HDUR	THOR LT: 2	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	18.2 7.1 13.0 17.6	9.1 3.6 4.3 5.9	.0 .0 .0	.0	.0 .0	.0	.0	27.3 10.7 17.4 23.5	13.6 3.6 4.3	.0 4.3 11.8	4.5 .0 .0	.0 .0	•0	.0 .0 .0	54.5 85.7 73.9 70.6
TOT PCT TOT CBS:	13.3 90	5,6	•0	•0	•0	•0	•0	18.9	5.6	3.3	1.1	•0	•0	•0	72.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KN) 22-33		48+	TOTAL Oas	PCT FRFQ	MEAN SPD	00	03	06	HOUR 09	(GHT)	15	18	21
NESS WWW.	1.2 1.0 1.8 1.9 1.5 1.6 2.1 2.9	6.1 3.2 2.4 5.3 3.0 4.0 8.0 17.1	3.1 .6 .3 1.3 .5 .9 3.0	.6 .0 * * * .5	.0 .0 .0 .0	000000000		11.0 4.8 4.5 8.6 5.7 6.5 13.7 37.1	9:4 6:1 5:3 6:0 6:6 8:6 11:3	16.5 8.1 6.8 9.0 3.2 3.7 8.5 38.5	••••••	10.2 3.3 3.2 7.8 5.3 5.1 14.0 42.2	5.6 1.4 2.1 6.2 9.4 10.6 21.3 38.0	6.4 2.9 3.1 8.7 7.5 9.8 16.7 35.8	.0 .0 66.7 .0 .0	12.0 6.8 5.1 8.0 5.2 5.8 13.0 32.8	15.2 6.2 5.6 11.3 3.4 4.4 9.2 35.2
CALM TOT DBS TOT PCT	8.1 676 22.3	1506 49.6	706 23.3	136	12	0	3036	8.1 100.0	6.3	5.6 517 100.0	•0	8.9 516	5.3 505 100.0	9.2 502	•0	10.4 492 100.0	9.6 501

TABLE 3A

WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL UBS	PCT FREQ	MEAN SPD	00 03	06 09	12 12 15	18 21
N	4.5	5.1	1.3	.1	.0		11.0	9.4	16,5	7.9	6.4	13.6
NE	3.3	1.4	.1	•0	.0		4.8	6,1	8.1	2.4	2.9	6.5
ŧ	3.3	1.1	.1	•0	.0		4.5	5.3	6.8	2.6	3.1	5.9
\$E	4.9	3.3	.3	.0	.0		8.6	6.8	9.0	7.1	9.0	9.7
\$	3.8	1.6	•	•	.0		5.7	6.0	3.2	7.3	7.4	4.3
\$ W	4.1	2.2	.2	•	.0		6.5	6.6	3.7	7.8	9.8	5.1
w	6.5	5.8	1.3	.2	•		13.7	8.6	8.5	17.6	16.6	11.1
NW	10.7	18.2	7.2	1.0	.0		37.1	11.3	36,5	40.1	35.7	34.0
VAR	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0
CALH	8.1						8.1	.0	5,6	7.1	9.1	10.0
TOT ORS	1493	1179	321	42	1	3036		8.3	517	1021	505	993
TOT PCT	49.2	38.8	10.6	1.4	ě		100.0		100.0			

DECEMBER

PERIOD: (PRIMARY) 1889-1970 (OVER-ALL) 1855-1970

TABLE 4

AREA 0001 SQUTHEAST SUNATRA 3.75 101.6E

PERCENTAGE	FREQUENCY	OF.	WIND	SPEED	24	HOUR	(CHT)

HOUR	CALH	1-3	4-10		SPEED (48+	MEAN	PCT FREQ	TOTAL
60300	5.6	15.1	48.7	26.3	4.1	.2	.0	8.5	100.0	517
90360	7.1	14.1	50.8	23.2	4.2	. 5	.ŏ		100.0	1021
12615	9.:	14.7	48.5	22.2	5,5	•0	.0		100.0	505
18521	10.0	13.4	49.3	22.3	4.4	.6	. 0		100.0	993
TOT	247	429	1506	706	136	12	ŏ	1.3		3036
PCT	8.1	14.1	49.6	23.3	4.5		.0	3.00	100-0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	•0	•0	6.3	1.3		6.4	•0	1.3	•0	•0	•0	•0	.0	•0	•0	•0	6.3	
NE	.0	.4	.8	•0		5.0	•0	•0	.0	.0	.0	•0	.0	•0	•0	.0	1.3	
E	1.7	2.9	1.7	2.9		4.7	•0	•0	.0	•0	•0	•0	.0	• 6	•0	.0	9.2	
SE	1.7	.0	3.8	3.8		6.2	• 0	.0	ō	.0	.0	.0	.0	•0		ě	9.2	
Š	.0	.0	2.9	•0		6.0	• 0	•0	.0	.0	.ŏ	•0	ŏ	•0	.0	·ŏ	2.9	
ŠW	.0	.0	.0	2.5		8.0	•0	•0	.õ	.0	2.5	.0	ŏ	•0	.0			
¥	.0	5.0	6.3	5.8		6.1	•0	1.7	1.7	1.7	5.8	.0	.0	.0	.3	.0	6.3	
ÑH	1.7	1.7	13.3	25.4		6.9	•0	• • •	6.7	5.0	8.3	3.3	.0	•0	.0	•0	18.3	
VAR	.0	.0	•0	• 0		•0	•0	• 0	.0	•0		•0		•0				
CALM	1.7	.0	5.0			5.4	•0	•0	.0	.0	•0	•0	.0	•0	•0	•0	8.3	
TOT UAS		Ä	24	26	60	6.3	••	••	• • •	• • •		••	••		•0	•0		4.0
TOT PCT	6.7	10.0	40.0	43.3	100.0	013	•ŏ	3.5	8,3	6.7	16.7	3.5	.ŏ	•0	•0	.0	37 61.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF CEILING HEIGHT	DF SIMULTANEOUS OCCURRENCE (NH >4/0) AND VSBY (NH)

				VSBY (NE	1)			
CEILING	• OR	GR.	⇒ OR	· OR	- OR	• CR	- OR	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.0	.0	.0	.0	.0	.0	•0	.0
DR >5000	.0	•0	.0	.0	•0	•0	•0	.0
■ UR >3500	.0	•0	.0	.0	.0	.0	.0	.ŏ
■ DR >2000	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
■ DR >1000	8.2	18.0	18.0	18.0	19.7	21.3	21.3	21.3
■ DR >600	11.5	24.6	24.6	24.6	26.2	27.9	27.9	27.9
■ DR >300	16.4	32.8	32.8	32.0	34.4	36.1	36.1	36.1
■ OR >150	16.4	34.4	36.1	36.1	37.7	39.3	39.3	39.3
• DR > 0	16.4	34.4	36.1	36.1	37.7	39.3	39.3	39.3
TOTAL	10	21	223				,,,,	

TOTAL NUMBER OF OBS: 61

1

CT FREQ NH <5/8: 60.

TABLE 7A

PERCENTAGE PREG OF LOW CLOUDS (EIGHTHS)

OBS	OBSCO	•	7	6	5	4	3	2	1	0
40		17 4	7.9	10.1	4.0	14.0	21.7	13.0	4.4	2.9

٠	æ	r	£	u	5	

							CEC	EMBER						
PERIODI (PRIMARY) (OVER-ALL)							TA	BLE 8				ARE	A 0001	SDUTHEAST SUMATRA 3.75 101.6E
		P	PRCENT						URRENCI ALUES (E OF	
VSBY (NM)		N	NE	E	SE	S	Sw	W	NW	VAR	CALH	PCT	TOTAL DBS	
<1/2	PCP NO PCP TOT %	.0	.0 .0	•0	•0	•0	.0	.9	.0 .0	.0 .0	•0	1.1 .0 1.1		
1/2<	PCP 1 NO PCP TOT %	.0	.0	.0 .0	•0	•0	1.1 .0 1.1	.0	•0	.0	•0	1.1 .0 1,1		
1<3	PCP NO PCP TOT %	.0	.0	.0	•0	•0	•0	•0	•0	•0	•0	.0		
2<5	PCP NO PCP TOT %	.9 .C	.0 .0	•0	•0	•6 •0 •6	•6 •0 •6	•0	1.4 .0 1.4	•0	•0	3.4 .0 3.4		
5<10	PCP NO PCP TOT %	.0 2.0 2.0	.0	.0 2.0 2.0	1.1 7.2 8.3	1.1 .0 1.1	.3	3.4 2.3 5.7	3.4 9.2 12.6	.0 .0	.0 2.3 2.3			
10+	PCP NO PCP	3.4	1.4	4.9	•0 6•0	•0 2•0	•0	.0 8.3	3.4 26.7	•0	•0 3•4	3.4 56.3		

TABLE 9

		PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VACUES OF VISIBILITY													
VSBY (NM)	SPD KTS	N	HE	E	SE	s	SW	Ħ	NW	VAR	CALM	PCT	TOTAL		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10	.0	.0	. 0	.0	iò	. 2	.2	.0	.0	•	.3			
	11-21	.0	.0	• 0	.0	ō		. 1	.0	.0		, 2			
	22+	.0	.0	. 5	•0	ō	.0	.0	.0	.0		.0			
	TOT \$.0	.0	•0	•0	.0	.2	.3	.0	.0	.0	.5			
	0-3	.0	•0	•0	•0	•0	.0	.0	.0	.0	•0	.0			
1/2<1	4-10	.1	. 1	.0	.0	.0	.0	.0	.0	.0		.2			
	11-21	.0	•0	• 0	•0	.0	.2	.0	.0	.0		.2			
	22+	.0	.0	•0	.0	.0	.0	.0	. 2	.0		. 2			
	TOT %	-1	-1	•0	•0	•0	.2	.0	.2	.0	•0	.5			
	0-3	.0	.0	•0	•0	.0	.1	-1	.0	.0	.0	.2			
1<2	4-10	•0	•0	•0	•0	.0	.0	• 1	.1	.0		.2			
	11-21	. 2	.0	•0	.0	.0	.0	.2	. 2	.0		.5			
	22+	.0	•0	• 0	•0	.0	.0	.0	.0	.0		.0			
	TOT \$.2	•0	•0	•0	•0	.1	.3	. 2	•0	.0	. 8			
	0-3	-1	•0	•0	•0	•0	-1	- 1	•	.0	•0	.3			
2<5	4-10	.2	.6	•0	•0	•0	.0	. 3	• 2	.0		1.3			
	11-21	•2	•1	•0	•0	• 1	-1	•0	. 3	.0		. 8			
	22+	.0	•0	•0	•0	.0	.0	.0	. 2	.0		.2			
	TOT \$.6	.6	•0	•0	•1	.2	.4	.7	•0	•0	2.6			
	0-3	.4	.2	•2	• 2	.0	.0	.1	.4	.0		2.3			
5<10	4-10	.7	.5	• 2	1.0	. 4	. 3	1.2	2.3	.0		6.6			
	11-21	.2	•0	•0	.5	•0	•0	.6	1.9	•0		3,2			
	22*	.0	•0	•0	•0	•0	.0	. 1	.4	.0		.5			
	TOT %	1.3	.6	.4	1.7	• 4	.3	2.0	5.1	.0	. 8	12.6			
	0-3	1.0	1.4	2.7	1.5	1.8	1.8	2.6	2.2	.0	5.6	20.9			
10+	4-10	6.2	3.1	1.9	4.5	3.6	2.9	6.6	17.4	•0		40.1			
	11-21	2.5	. 3	• 2	• •	• 2	.3	1.7	9.3	•0		14.8			
	22+	. 1	.0	•0	.0	•0	.0		1.2	.0		1.3			
	TOT %	9.7	5.2	4.8	6.4	5.5	5.0	10.8	30.1	•0	5.6	83.1			
	OT CAS												421		
7	OT PCT	11.9	4.5	5.2	8.1	6.0	5.8	13.6	36.3	•0	6.4	100.0			

۱۴	e	£	M	A	F	¢

PERIODS	(PRIMARY)	1889-1970
	(OVER-ALL)	1855-1970

TABLE 10

AREA 0001 SOUTHEAST SUMATRA 3.75 101.6E

PERCENT	FREQUENCY	OF	CFICING	HEIGHTS	(FEET, NH	>4/81	AND
	OCCUP	REN	CE ME NA	. JSJR BU	L MAINS		

HOUR (GMT)	000 149	150 299	300 599		1000 1999	2C00 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	5.3	5.3	10.5	10.5	5.3	.0	.0	.0	•0	36.8	63.2	19
90360	.0	.0	5.0	5.0	20.0	5.0	.0	.0	.0	•0	35.0	65.0	20
12615	.0	.0	5.9	•0	23.5	•0	.0	•0	.0	•0	29.4	70.6	17
18621	.0	11.1	22.2	11.1	•0	11.1	.0	•0	•0	•0	55.6	44.4	9
TOT PCT	.0	3.1	7.7	6.2	10 15.4	4.6	.0	0	.0	0	24 36.9	41 63.1	65

TABLE 11

TABLE 12

PERCENT FREQUENCY VSBY (NM) BY HOUR								CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/ CEILING HGT (FEET,NM >4/8),BY HOUR								
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS		
00603	.9	•0	••	3.6	12.5	83.0	112	00003	•0	15.8	26.3	10.5	63.2	19		
90360	, ၁	.0	. 5	.5	11.9	87.1	202	90360	•0	5.0	10.0	25.0	65.0	20		
12615	•0	2.7	.0	1.8	15.5	80.0	110	12615	•0	14.3	14.3	21.4	64.3	14		
18621	1.0	.0	2.0	4.5	12.0	80.5	200	18221	.0	37.5	50.0	12.5	37.5	8		
TOT	3	3	5	16	79	518	624	TOT	0	9	13	111	37	61		

				7/	ARLE 13	3									TABL	14				
	PERCI	ENT FRI	EOUENC	Y OF RE	LATIVE	HUMI	DITY BY	TEMP	TOTAL	PCT		PERC	NT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	Ewp	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	£	SE	\$	SW	¥	NW	VAR	CALM
85/89 80/84	.0	.0	.0	•0	3.1	1.6	.0 45.3	•0	3 40	4.7 62.5	.0 3.5	.0	7.4	.0 11.3	2.7	۰,	1.6	.0		3.1
75/79 70/74	.0	.0	•0			1.6	15.6	14.1		31.3	2.3	.0	1.2	.4	2.0	.4	8.2	17.2	•0	3.1 1.6
TOTAL	.0	0	•	ŏ	2	13 20.3	39	10 15.6	64	100.0	5.9	1.2	8.6	11.7	3.5	1.6	17.2	42.6	.0	7.8

€ €

				TAB	LE 15									TABLE	16			
	MEANS,	EXTREMES	AND	PERCEN	TILES (JF TEMS	, (DE	G F) (Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIPU	BY HOUR	i
HOUR (GMT)	HAX	99\$	95%	50%	54	1%	MIN	HEAN	TOTAL OBS	HQUR (GMT)	0=29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	91 94	86 89	84 87	80 82	76 77	74 75	71 73	80.1 82.2	512 1000	£0300 90300	.0	.0	11.1	13.6	63.6	22.7	86 80	22
12215	90 88	87 85	84 83	81 80	77 76	75 74	74 73	80.9 79.8	498 985	12615	.0	.0	•0	31.3	62.5	6.3	82 87	16 10
101	94	8.0	85	81	76	75	71	80.8	2995	TOT	Ö	Ö	2	14	40	10	83	66

PAGE 070

PERIOD: (PRIMARY) 1889-1970 (OVER-ALL) 1855-1970

TABLE 17

AREA 0001 SQUTHEAST SUMATRA 3.75 101.6E

PCT FREO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	**	74			***		
	73	77	61	85	701	W	MQ.
THP DIF	76	80	84			FOG	FOG
9/10	.0	.0	1.3	.0	1	.0	1.3
7/8	.0	•0	1.3	.0	1	•0	٠ 3
6	.ŏ	1.3		,ŏ	ī	.0	1.3
	.0	• 0	1.3	1.3		.0	2.5
4 3 2					2 2 4		2.3
•	.0	•0	2.5	.0	•	.0	2.5
Z	•0	•0	2.5	2.5		•0	5.0
1	.0	3.0	1.3	1.3	5	•0	6.3
Ö	.0	5.0	11.3	1.3	14	.0	17.5
-1	.0	2.5	11.3	1.3	12	.0	15.0
_;	.0	11.3	7.5	. 6	15	1.3	17.5
-2 -3							
-3	1.3	5.0	3.8	•0	8	•0	10.0
-4	.0	3.8	٠.	•0	3	٠0	3.8
-5	.0	5.0	.0	.0	4	.0	5.0
-6	.0	3.4	.0	.0	3 2	.0	3,8
-7/-8	2.5	• 0	٠.	.0	2	.0	2.5
-9/-10	2.5	• 0	1.3	.0	3	.0	3,8
TOTAL	• • •	• •	36	•••	-	ĭ	79
	•	33		6	80	•	• • •
PCT	6.3	41.3	45.0	7.5	100.0	1.3	98.6

PERIOD: (OVER-ALL) 1963-1970

TABLE 1

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-0
7
8-9
10-11
12
13-10
17-19
20-12
23-25
20-32
33-40
41-48
49-40
61-70
71-86
1-70
PCT 1-3 4-47 11-21 1-3 4-10 48-11-21 1-3

PERIODI	(OVE	R-4113	1943_1	1970				DECEMBER						• =	
		,	1705-	.,,,				TABLE 18 (CONT	1			AREA	3.	30UTHEA 75 101	ST SUMATRA
				PC	T FREG	OF WIND	SPEED	(KTS) AND DIRE	CTION \	ERSUS S	SEA HEIG	HTS (FT			
				s							SW		-		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
(1)	• ?	.0	.0	•0	.0	•0	.0	•0	.0	•0	.0	•0	.0	.0	
1-2	.0	.0	•0	•0	.0	•0	•0	•0	1.5	.0	.0	•0	.0	1.5	
3-4	•0	.0	•0	.0	•0	.0	.0	•0	.0	1.5	.0	•0	ě	1.5	
5-ა	•0	•0	.0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0	.0	
,7	•0	•0	•0	• 0	•0	•0	•0	•0	.0	.0	.0	•0	.0	+0	
8-9	٠.	• 0	•0	.0	.0	• 0	•0	•0	•0	.0	.0	•0	.0	.0	
10-11	•0	.0	•0	•0	• 0	•0	•0	•0	.0	.0	•0	•0	.0	.0	
12	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
13-16 17-19	••	.0	•0	.0	•0	• 0	•0	•0	•0	.0	.0	•0	•0	.0	
20-22	•0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0	
23-25	.0	.0	•0	٠,	•0	•0	•0	•0	•0	.0	•0	•0	.0	.0	
26-32	.0	.0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	
33-40	.0	.0	•0	.0	.0	•0	.0	•0	•0	.0	.0	•0	.0	.0	
41-48			.0	.0	.0	•ŏ	•0	•0	•0	.0	•0	•0	•0	•0	
49-60	.0		.0	.0	.0	.0	•0	•0	•0	.0	.0	•0	•0	.0	
61-70	.0		•0	.0	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	
71-86	.ŏ	·ŏ	ŏ	.0	.0	•0	:0	•0	.0	.0	•0	•0	•0	•0	
87+	.0		.0	.0	.0	ö	.0	.0	.0	•0	•0	•0	•0	•0	
TOT PCT	.0	.0	.0	.0	ŏ	.0	.0	.0	1.5	1.5	•0	•0	•0	••	
			••	•••	••	••	••		•••	1.5	•0	•0	•0	2.9	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48.	PCT	1-3	4-10	11-21	22-33	34-47	48.	PCT	PCT
<1	4.4	• 0	•0	•0	• 0	• 0	4.4	1.5	1.5	.0	•0	•0		2.9	PQ.
1-2	•0	16.2	•0	•0	•0	•0	16.2	.0	5.9	5.9	.0	•0		11.8	
3-4	•0	.0	4.4	.0	.0	.0	4.4	.0	.0	.0	.0	• 0	.ŏ		
5-6	.0	•0	•0	•0	• • •	•0	•0	•0	.0	•0	•0	• 0	.0	.0	
.7	•0	.0	.0	•0	•0	•0	•0	•0	•0	.0	.0	•0	. 5	.0	
8-9	.0	.0	•0	.0	•0	-0	•0	.0	• C	.0	.0	•0	.0	.0	
10-11	.0	.0	•0	•0	.0	•0	•0	•0	.0	.0	.0	•0	.0	.0	
12 13-16	.0	:8	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	.0	
17-19	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	•0	
20-22	.0	.0	•0	•0	.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	
23-25	.0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	
26-32	.0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	
33-40	.0	.0	•0	•0	•0	•0	•0	• 0	•0	•0	•0	•0	.0	•0	
41-48	:ŏ		•0	.0	•0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
49-60	.0	.ŏ	•0	•0	.0	•0	•0	•0	•0	•0	.0	•0	.0	•0	
61-70	.0	.0	.0	.0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	
71-86	.ŏ	.ŏ	.0	:0	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	
67+	.0		.0		.0	.0	.0	•0	.0		•0	•0	• ?	•0	
TOT PCT	4.4	16.2	4.4	.0	·ŏ	•0	25.0	1.5	7.4	5.9	.0	•0	٥.	0	
				•	••	••		***		2.9	•0	•0	•0	14.7	88.2

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нот	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	23.5	23.5	.0	.0	.0	.0	47.1	GBS
1-2	.0	75.3	11.8	.0	.0	.0	47.1	
3-4	.0	.0	5.9	.0	.0	.0	5.9	
5-6	•0	•0	•0	.0	•0	.0		
7	.0	•0	.0	.0	.0	.0	ŏ	
8-9	.0	.0		ŏ	ŏ	.0	.0	
10-11	• •	.0		.0		.ŏ	:ŏ	
12	.0	·ŏ		ŏ	.ŏ	.ŏ	ĕ	
13-16	.ŏ	.0	.0			.0	:0	
17-19	.0	.0		.0	·ŏ	.0		
20-22	.ŏ	:0	.0				.0	
23-25	.0			•0	.0	.0	.0	
26-32		•0	•0	•0	.0	•0	.0	
	.0	•0	.0	•0	•0	.0	.0	
33-40	•0	• 0	.0	•0	.0	.0	•0	
41-48	•0	•0	.0	.0	.0	.0	.0	
45-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	•0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
67+	.0	.0	.0	.0	•0	.0	.0	
TOT PCT	23.5	58.8	17.6	.0	•0	.0	100.0	17

PERIO) : QV	ER-ALL	.) 194	9-197	0				TABLE	19											
					PERCENT	FREQ	UENCY D	F WAV	E HEIG	HT (FT) V5	MAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1-7	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6 6-7	5.1	20.3 5.1	6.8	3.4 8.5	.0 5.1	.0	•0	.0	1.7	.0	.0	.0	.0	•0	.0	:0	.0	:0	.0	21 19	HGT 2
8-9 10-11	•0	•0	3.4	5.1 1.7	1.7	1.7	•0	.0	•0	.0	.0	•0	.0	•0	•0	.0	.0	.0	.0	6	Ś
12~13 >13 INDET	16.7	•0	•0	.0		.0	•0	.0	•	.0	.0	•0	•0		•0	.0	.0	•0	•0	0	
TOTAL	12	15	13	11	4	.0	•0	••	.0 1	.0	1.7	•0	.0 0	•0	•0	.0 0	••	•0	.0	11 59	3

PAGE 072

O

9

ANNUAL

PERIOD: (PRIMARY) 1889-1973 'OVER-ALL) 1854-1973

TABLE 1

AREA 0001 SOUTHEAST SUMATRA 3.75 101.66

PERCENT	FREQUENCY	ΠF	WEATHER	SCCURRENCE	87	MIND	DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
-NO DIR	RAIN	RAIN Shwr	CR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLMG DUST PLWG SNOW	
N	12.0	1.3	.0	.0	•0	.0	• 2	13.3	8.4	3.2	•0	.0	• 5	.0	75.1
NE E	15.7	1.3	2.4	.0	.0	.0	.0	19.4	3.2	3.6	1.4	:0	.0		74.1
ŠE	2.7	2.3	1.4	.0	.0	•0	.0	6.0	2.0	4	.0	.0	. 9	. 9	86.5
S	5.6	.9	.0	.0	.0		٠Ċ	6.5	•0	1.7	• 0	.0	•0	٥.	91.8
Š.	15.3	1.2	.0	.0	.0	.0	.c	16.5	3.8	1.0	. 0	.0	.0	• ^	78.7
h	18.0	2.6	.7	.0	.0	.0	.c	21.3	8.2	1.4	.0	.0	•0		61.7
Nw	16.7	4.9	2.1	.0	•0	•0	.0	23.7	10.5	.7	.4	•0	.0	.0	64.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•6	.0	.0
CALM	8.3	2.8	.0	.0	•0	.0	.0	11.1	4.2	9.6	.0	•0	•0	.0	75,1
TOT PCT	8.9	3.6	1.5	•0	•0	.0	•0	13.8	5	3.6	.2	.0	•2	•2	77.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST RUCH	THDR LTNG	FOG WO PC PN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 16621	11.0 7.0 5.2 11.9	5.7 2.3 1.0 5.9	1.7 .7 .0 5.0	.0	•0	.0	.0 .0 .0	18.4 10.0 6.2 22.1	6.5 5.5 1.6 3.1	3.2 .0 5.1 6.6	.4	.0	•0 •5 •0	•0	69.6 83.7 86.9 69.9
TOT PCT	8.7	3.7	1.6	•0	•0	•0	•0	14.0	5.1	3.5	•2	•0	• 2	•2	77.5

TABLE

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		Wir	D SPE	ED (KND	75)								HOUR	(GH1)			
WND DIR	0-3			22-23		48+	TOTAL	PCT FRFQ	SPD	00	03	06	09	12	15	18	2+
N	1.5	5.6	1.8	.2	•	•0		9.1	7, 9		11.1	8.2	3.9	5.8	6.6		
NE	1.3	3.7	. 5	•	•0	•0		5.5	6.1	9.4	•0	3.0	1.2	3.5	9.4	7.5	6.2
E	1.5	4.6	1.0	.1	•	.0		7.2	6.6	10.6	10.4	6.3	2.4	4.8	19.9	8,2	10.4
SE	2.5	21.9	7.1	. 9		.0		22.7	8.5	23.7	16.0	24.1	20.7	22.1	17.9	22.0	22.1
Š	1.8	5.9	2.0	.2	.0	.0		9.9	7.2	5.6	4.2	9.0	16.4	12.5	12.2	9,4	6.8
Sw	1.3	3.8	.6			•0		5 7	6.4	3.0	5.6	5.0	10.8	7.7	2.6		
W	1.6	5.5	1.8	. 3	•	•0		9.3	8.0	5.8	8.3	8.3	15.7	3	12.3	7,6	6.1
Nw	2.4	11.8	6.9	1.3	•1	•0		22.4	9.7	21.8	11.1	25.7	23.6	22.1	10.7	19.8	21.4
VAR	-0	••	• 0		. ŏ	.0		.0	.0	• 0	• 0	.0	• 0	.0	• 0	.0	.0
CALM	8.4							8.4	.0	6.9	•0	10.3	5.4	9.3	•0	10.2	6.6
TOT OBS							36695		7.8	6205	13	6336	5979	6025	35	5985	6138
TOT PCT	22.5	52.9	21.6	2.9	• 1	•0		100.0		100.0			100.0	100.0	91.7	100.0	100.0

*	۸		•

WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL JEL	PCT FREQ	HEAN SPD	00 03	HBUI 06 09	(GHT) 12 15	. 8 21
N NE E SE SW JW JW VAR CALM TOT DRS	4.5 3.7 4.3 8 3 5 1 3. 4.6 7.8 8.4	3.9 1.7 2.6 10.9 4.2 3.8 10.8	3.1 .7 .2 .8 3.4	• • • • • • • • • • • • • • • • • • •	.00.00	36696	7.1 5.5 7.2 22.5 9.9 5.7 9.3 22.4 0.0	7.9 6.1 6.6 8.5 7.2 6.4 8.3 9.7 .0	13.2 9.4 10.7 23.7 5.6 3.6 21.8 0 6.9 6216	0.1 2.1 4.4 22.4 12.6 7.8 12.0 24.7 7.9 12315		11.8 7.9 7.3 22.0 8.1 4.0 6.5 20.6 9.3 12123

N	N	u	۸	1

PERIOD: (PRIMARY) 1889-1973 (OVER-ALL) 1854-1973

TARLE 4

AREA 0001 SDUTHEAST SUMATRA 3.75 101.65

·)

}

PERCENTAGE	FREQUENCY	SF	WIND	SPEED	BY	HOUR	(GPT)
------------	-----------	----	------	-------	----	------	-------

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT FREQ	TOT/L OBS	
00603 06609 12615 18621 TOT	6.9 7.9 9.2 9.3	14.8 14.2 13.4 13.7	54.7 52.6 52.0 52.6	20.8 22.2 22.1 21.2	2.6 2.9 3.2 2.9	·1 ·1 ·1 ·2	••	7.9 7.9	100.0 100.0 100.0	6218 12315 6040 12123 36696	
PCT	8.4	14.0	52.9	21.6	2.9	•1	.0		100.0	20070	

TABLE 5

T48: E 4

													1966 0					
Þ	CT FRE	0 DF 1	TOTAL	CLOUD A D DIRFO	MOUNT CTION	(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HE16	HTS (TANH ;)4/8)]N	
WHD DIR	0-2	3-4	5-7	8 & 085CD	TOTAL CBS	CLOUD COVER	000 149	150 299	300 599	600 5)9	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	. 3	1.2	3.1	1.5		5.9	•0	• 1	•0	.3	.7	.5	.2	• 2	. •			
NE		. 1	2.1	. 9		6.4	•0		. 3	. 5					•1	•0	4.0	
E	1.2	2.5	3.3	2 - 1		5.1	• 0	• • •	ž	ij		• 1	•0	•0	• 2	• 0	1.9	
ŠE	2.0	6.6	15.2	6.1							8	. 4	. 1	•0	•0	•0	7.3	
£-	9	1.2	3.0			5.5	•0	• 3	•0	• 7	5.0	2.6	.1	•0	•0	.0	21 • 1	
2.						5.3	•0	. 3	.0	• 1	1.0	• 6	.1	•0	•0	.0	4.4	
Şh	• 1	•7	1.9	1.2		6.3	•0	•	. 2	. 5	.7	. 3	.0	•0	.0	.0	2.2	
W	.7	1.7	4.2	4.2		5.2	•0	. 3	. 6	1.4	2.0	.4						
N₩	. 9	1.4	10.4	11.4		6.6	•0		1.0	2.6	4.7		• 1	•0	•0	•0	6.0	
VAR	.0	.0	•0	•0				_				1.9	.8	•6	•	•0	12.4	
	.7					•0	. າ	•0	•0	•0	•0	•0	.0	•0	• • •	.0	•0	
CALM	• 1	1.6	2.4	1.0		5.7	.0	• 0	.0		. 4	•0	. 2	•0	•0	.0	5.3	
TOT DAS					528	5.9							•-	•••	••	• • •		626
TOT PCT	6.8	16.9	45.6	30.8	100.0		•0	1 - 1	2.3	6.7	16.0	6.7	1.6	.7	.4	.0	64.6	528 100.0

TARLE 7

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (NM >4/8) AND VSBY (NM)

				VSBY (NH)			
CEILING	■ CR	- CR	- OR	• FR	● CR	• CR	- OR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.4	.4	.4	.4	.4	. 4	.4	.4
■ DR >5000	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
 DR >3500 	2.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7
 □ DR >2000 	7.0	9.0	9.3	9.4	9.4	9.4	9.4	9.4
• DR >1000	16.6	22.9	24.6	24.9	25.1	25.2	25.2	25.2
■ DR >600	20.5	28.9	31.9	37.3	32.4	32.5	32.5	32.5
■ OR >300	21.1	30.3	34.2	34.5	34.6	34.8	34.8	34.8
 OR >150 	21.1	30.3	35.3	35.6	35.7	35.9	35.9	35.9
• DR > 0	21.1	30.8	35.3	35.6	35.7	35,9	35.9	35.9

TOTAL NUMBER OF DAS: 534

{

PCT FREQ NH <5/8: 64.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C 1 2 3 4 5 6 7 8 OBSCO TOTAL OBS

							AN'	UAL						
(PRIPARY) 10 (OVER-ALL) 1	869-1973 854-1973						74	LE 8				4"8	1000 A	SQUTHEAST SUMATRA 3.75 101.6E
		PI	RCENT		OF WIND								€ OF	
4284 (44)			NE	£	SE	s	\$ 4	×	Ne	VAR	CALM	PCT	TOTAL	
	PCP NO PCP TOT %	.0	.0	•0	•0	•0	• 0	.1	.0	0.0	.0	.0		
1/2<1	PCP ND PCP TOT \$.c .c	•0	•0	•0	•0	•1 •0 •1	.000	•0	.0	•0	.1		
1<2	PCP NO PCP TOT %	.0	.0	.2	.0 .2 .2	•1 •0 •1	•0	.0	•1 •0 •1	.0	•0	.6		
2<5	PCP NO PCP TOT %	.0	.2 .0 .2	.9	.7	, 2 , 3 , 5	•?	.7 .3 1.0	1.6 .2 1.8	.0	. C . 3	5.2 .9 6.0		
5<10	PCP ND PCP TDT %	.? 1.7 1.9	.3 .5	.3 1.3 1.6	1.3 4.4 5.7	.2 2.1 2.4	.; 1.1 1.2	.9 2.4 3.3	2.! 3.9 6.0	.0 .0	•9 •6	5.4 18.1 23.5		
10+	PCP ND PCP TDT \$	•2 4.4 4.6	2.9 3.3	7.2 7.4	21.7 21.9	5.7 5.2	.1 2.5 2.8	.3 5.7 6.1	.9 13.5 14.4	•0	.n 3.8 3.8	2.3 67.1 69,4		

TOT 085 TOT PCT 6.9 4.4 10.0 28.5 8.2 4.3 10.6 22.4 .0 4.7 100.0

TABLE 9 PERCENT FREG OF WIND DIRECTION VS WIND SPEED

			·		WITH V	ARYING	VALUE	OF V	15161L	TY	••		
VSBY	SPD	N	NE	E	SĒ	5	Şw	•	NW	YAR	CALM	PCT	TOTAL
(44)	KTS												ออร
	0-3	•	.0	.0	.0	٠.0	.0	.0	•	.0	.0	*	
<1/2	4-10	•		.0	•			•		٠.		.1	
	11-21	.0	.0	.0	.0	.0			.0	۰.			
	22+	•	.0	•0	.0	•0	.0	.0	•	٠0			
	TOT \$	•	•	•0	•	•	•	•1	.1	.0	.0	.2	
	0-3	.0	.0	•0	•0	.0	.0		•	.0	.0		
1/2<1	4-10	•	*	.0	•	•	•	*	•	,0		.1	
	11-21		• 0	• 0	•	.0		.0		.0		. 1	
	22+	.0	.0	•0	,0	.0	.0		•	٠.0			
	TOT %	•	•	•0	•	•	•	•	.1	.0	•0	.2	
	0-3	•	.0	.0	.0	.0	•	•	.0	.0	•	.1	
1<2	4-10	.1			•	•	.1	- 1	. 1	.0		,5	
	11-21		.0				•	-1	-1	.0		, 3	
	22+	.0	٠0	•0		•0	•0	•	•0	.0			
	TOT %	- 1	•	•	- 1	•1	.1	.2	. 2	.0	•	.9	
	0-3	.1	.0	.1	•0		**	•	•	.0	-1	.3	
2<5	4-10	• 2	• 2	• 2	•2	• 1	• •	.2	. 4	.0		1.5	
	11-21	• 1	•		• 2	•1		• 1	. 3	.0		.9	
	22+	•0	•0	•0	•0	.0	.0		- 1	.0		.1	
	TOT \$.4	-2	.3	.4	.2	-1	.4		•0	-1	2.9	
	0-3	.2	•1	•1	.2	.1	. 2	-1	.3	.0	.5	1.9	
5<10	4-10	. 9	. 4	. 4	1.5	.7	. 4	.9	1.5	.0		6.7	
	11-21	. 2	•	• i	1.1	,4	-1	. 3	1.1	.0		3.2	
	22+	.0	•		• 1			- 1	• 1	.0		.4	
	TOT %	1.3	.6	•7	2.8	1.2	.7	1.4	3.0	.0	.5	12.1	
	0	1.0	1.0	1.4	2.3	1.7	1.3	1.6	2.1	•0	5.8	19.8	
10+	4	4.9	2.5	4.1	11.2	5.8	4.3	4.5	10.3	.0		47.7	
	1	1.1	• 1	.5	6.6	1.5	.2	.9	4.5	•0		15.2	
	22	•	•0		. 4	• •	.0		.4	.0		1.0	
	TO1 ≺	7.6	5.2	6.1	20.6	9,1	4.8	7.0	17.2	•0	5.8	83.7	
	iet 945												7097
1	TOT 7CT	9.4	6.0	7.4	23.9	10.6	5.7	9.1	21.4	.0	6.4	100.0	

ANNUAL

FERIOD: (PRIMARY) 1689-1973 (OVER-ALL) 1634-1973

TABLE 10

AREA 0001 SOUTHEAST SUHATRA 3.75 101.6E

PERCENT FREQUENCY OF CRICING HEIGHTS (FEET, NH >4/6) AND OCCURRENCE OF NH <2/8 BY HOUR

HDUR (GMT)	000 149	150 299	300 599		1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
£0300	.0	1.1	2.7	8.1	17.5	4+2	1.0	.6	1.0	•0	36.3	63.7	185
90360	•0	1.2	. 8	3.5	10.8	7,9	1.5	1.0	.0	•0	26.7	73.3	172
12615	.0	.0	1.5	6.9	12.5	5.7	1.8	.7	.0	•0	29.1	70.9	110
15231	.0	2.6	3.8	11.0	17.7	8.4	1.8	•0	•0	•0	45.3	54.7	94
TOT PCT	.0	1.0	2.1	6.9	15.0	6.5	1.5	.7	. 1	. •	34.0	44.0	561

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	CEILIN	FREQ S HGT	OF RAN	IGF\$ DF NH >4/8	VSBY (NH) NUCH YB(C	AND/OR
HOUR (GHT)	<1/2	1/2<1	142	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL DBS
00203	•2	.2	.9	4.0	12.3	82.4	1265	00603	•0	4.4	13.6	23.0	61.2	177
05679	•1	.0	.6	.,	8.6	89.7	2322	90380	.0	2.0	6.9	20.7	72.4	167
12615	• 2	.6	.6	2.7	14.3	81.7	1218	12615	•0	2.2	11.7	19.0	68.3	104
18621	.4	.2	1.3	4.4	14.6	79.1	2313	18621	•0	11.2	29.7	25.5	44.8	86
TOT PCT	.2	.2	.9	2.9	12.3	83. 6	7118 100.6	707 PCT	•0	1.0	14.0	22.9	43 :	334

TARLE 13

				Ť	APLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	PITY B	Y TEMP	****			PERC	ENT PI	REQUENC	Y 0# W	149 DI	RECTIO	DN BY T	EMP	
TEMP P	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100	TOTAL	PCT	N	48	ε	SE	s	SW	w	NW	VAR	CALM
95/99	.0			.0		.2	.0	••		٠ž	.0	.0	.0	.0	.0	-0	.0	۰.	.0	•
85/69	.0			•0		3.9	.0	.0		• 7	.0	.0	:0	.4	:0	:0	:0	:0	.ö	:6
80/84	.0	.0	•0	•0	1.7	28.3	38.4	4.2		72.6	3.2	1.7	4:7	3.0 25.4	4:9	3.3	7.9	16.1	•0	3.4
85/60 80/84 75/70 70/74	:8	•0		•0		.5	10.4	7.5		18.8	1.4	1.3	1.6	2.6	.3	.5	3.5	6.4	.0	1.3
PCT	.0	.0	•0	•0	4.5	33.1	40.8	12.6	463	100.0	5.0	3.0	9.2	31.6	6.0	4.6	11.9		•0	

TABLE 15

														TABLE	10			
	MEANS,	EXTREM	ES AND	PERCE:	TILES	OF TE	47 (0)	G F) (Y HOUR		PER(ENT FRE	EQUENCY	OF RELA	TIVE H	YTIDINU	SY HOUR	ı
HOUR (GMT)	FAX	***	95g	50%	54	15	MIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00803 08607 12615 18621 TOT	94 97 94 92 97	87 90 87 86 88	85 87 85 84 86	81 83 82 81 82	77 78 78 76 77	74 76 75 74 75	70 72 70 70	80.9 83.0 81.8 80.4 81.6	6120 12020 5927 11928 35995	00£03 00£09 12£15 18£21 TOT	.0	•0	10.6 5.0 2.1	23.4 46.4 39.8 24.0 157	61.9 33.0 43.3 63.2 243	14.7 10.1 11.9 10.7	84 79 81 83	085 161 162 89 85 477

ANNUAL

PERIOD: (PRIMARY) 1889-1973 (DVER-ALL) 1854-1973

TABLE 17

ARER 0001 SOUTHEAST SUNATRA 3.75 101.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	85	89	TOT	W	40
TMP DIF	72	76	80	84	68	92		FDG	FOG
9/10	.0	.0	۰.	.1	.0	.0	1	.0	-1
7/8	.0	•0	.0	. 2	• 0	• 1	3	.0	• 3
6	.0	.0	.1	.0	• 2	• 2	3	٠ŏ	.5
š	.0	• 0	.0	. 2	٠Ž	.0	i i	.0	.4
5	.0	.0	.0	. 4	. 5	. 3	10	.0	1.3
3	.0	.0	.0		. 5	.0	io	.0	1.3
3 2 1	.0	•0	.0	2.0	1.6	•2	29	-0	3.0
ĩ	.0	•0	.5	3.7	2.0	•0	45	.0	6.1
ŏ	.0	• 1	1.4	14.5	1.5	•0	(36	•0	17.6
-i		• 0	2.6	16.6	. 9	•0	146	.1	20.2
-ż	.c	.3	6.3	14.5	.5	.0	160	i	21.5
-3	.0	• 1	3.7	4.0	.0	.0	60	. 0	7.8
-4	.0	.,	6.5	3.7	.0	ě	85		11.1
-5	.0		2.6	. 5	.0		31		3.9
-6	ŏ		1.3	ó		.0	15	.0	1.0
-7/-8	.0	. 6	.,,	.0	.5	·ŏ	ií	.ŏ	1.5
-9/-10	.ŏ	.3		.1	.ŏ	.0	• • •		4
					:0				
-11/-13	•1	•0	.0	•0		•0	1	•0	•1
TOTAL							754		
PCT	-1	3.5	26.0	61.6	7.9		100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-43	34-47	48.	PCT	1-3	4-10	11-21	NE 22-33	34-47	46.	PCT
	.0	2.9	•0		•0		2.9	8.3	.0	.0	.0	.0	•0	8.3
<1 1-2	ŏ		ě	.0	,ŏ	ŏ	5	1.0	,õ	ĭŏ	.ŏ	.0		1.0
3-4	.0	.0	•0	•0	•0	.0	•0	.0	•0	•0	.0	•0	.0	•0
5-6	.0	.0	•0	.0	•0	•0	•0	•0	•0	.0	.0	•0	.0	.0
7	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	.0	.0	.0
8-9	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	٠.	•0	•0
10-11	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	٠٥
12	.0	.6	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	٠,٥
13-16	•0	•0	•0	.0	.0	•0	•0	•0	•0	•0	.0	•0	•0	•0
17-19 20-22	.0	.0	•0	•0	•0	.0	•0	•0	.0	.0	.0	•0	•0	•0
23-25	.0	.0	•0	•0	•0	.0	•0	•0	.0	.0	.0	•0	.0	.0
26-32	ö	.0	•0		.0		.0	ě	.0	.0	:0	:0	:0	.0
33-40	.0		.0		.0		.0			.0		.0	.0	.0
41-48			•0		.0		iŏ	ŏ	.õ	.0	.0	ě		
49-60	.0	•0	•0	•0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.0
61-70	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-06	.0	.0	•0	•0	.0	.0	.0	•0	.0	.0	.0	•0	•0	.0
874	.0	.0	•0	•0	.0	•0	.0	•0	•0	.0	.0	•0	.0	•0
TOT PCT	•0	2.9	•0	.0	.0	.0	2.9	9.4	.0	.0	.0	•0	•0	9.4
t:GT	1-3	4-10	11-21	£ 22-53	34-47	48.	PCT	1-3	4-10	11-21	SE 22-33	34-47	48.	PCT
<1	. 5	.5	•0	•0	•0	•0	1.0	•0	5.2	•0	.0	•0	• 0	5.2
1-2	.0	.4	•0	.0	.0	.0	. 4	• 0	10,3		.0	.0	.0	10.
3-4	•0	•0	. • 0	•0	•0	•0	. • 0	•0	5.8	9.3	•0	•0	•0	15.1
5-6	.0	•0	1.3	•0	•0	•0	1.9	•0	.0	.0	4.2	•0	•0	6.5 4.2
7 8-9	.0	•0	•0	•0	.0	.0	•0	•0	:0	2.8	7.6	•0	.0	2.6
10-11	.0		•0	.0	.0	.0	•0	•0	•0	•	.0	•0	.0	•0
12			.0				.0	.0	.0				• 5	.0
13-14	.0		•0				.0	.0	.0			• 0	·ŏ	.0
17-19	.0	•0	•0	•0	.0	.0	•0	•0	.0	.0	.0	•0	•0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	•0
23-25	.0	.0	•0	•0	.0	.0	•0	•0	•0	.0	.0	•0	•0	•0
26-32	.0	•0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	-0	•0
33-40	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	•0
41-48	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0	•0	٠,	•0	•0
49-40	.0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0
61-70	•0	•0	•0	•0	••	•0	•0	•0	•0	••	•0	•0	•0	•0
71-86	•0	٠0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0	Ç
4/+														
TOT PCT	.0	• 0	1.3	•0	•0	• 0	0. 2.6	•0	21:3	19.1	4.2	•0	•0	44.6

PERIOD: (OVER-4LL) 1963-1973	ANNUAL	AREA OOGI SOUTHEAST SUMATRA
PENIOD: (07EN-4CE) 1703-1773	TABLE 18 (CONT)	3.75 101.66
		_

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				5							Sw				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PÇT	
<1	.0	. 8	•0	.0	.0	.0	.8	•0	.0	.0	•0	.0	.0	.0	
1-2	.0	5.5	•0	.0	.0	.0	6.5	.0	3.6	1.0	.0	• 2	.0	4.6	
3-4	.0	1.3	2 • 1	•0	•0	•0	3.3	•0	• 0	• 1	٠.0	•0	•0	• 1	
5-6	.0	.0	•0	0	•0	.0	•0	• 0	•0	.0	.0	•0	•0	•0	
7	-0	.0	•0	.0	.0	2	•C	•0	•0	.0	.0	•0	.0	•0	
8-5	.0	.0	•0	.0	.0	• 2	•0	•0	. 3	.0	-0	•0	.0	•0	
10-13		40	•0	•0	.0	.0	•0	.0	• 0		• • •	• C	.0	.0	
1?	.0	.0	• 9	.0	.0	۰,0	•0	•0	•0	.0	. c	•0	- C	•0	
13 -16	٠.	٠,	.0	•0	.0	.0	•0	•0	.0	,0	.0	•0	.0	٠.	
17-19	.0	• 0	•0	•0	.0	• 0	• U	•0	.0	.0	•0	•0	.0	•0	
20-22	.0	•0	•0	0	•0	.0	•0	• າ	• 0	.0	•0	•0	.0	•0	
23-25	.0	.0	•0	.0	.0	•0	, 0	•0		.0	•0	•0	•0	.0	
26-32	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	•0	
33-40		.0	•0	•0	•0	•0	•C	•0	•0	.0	•0	•0	•0	.0	
41-45	.0	.0	•0	•0	•0	• ^	•6	•0	.0	.0	•0	•0	•0	•0	
49-60	-0	.0	•0	•0	•0	.0	•0	•0	.0	.0	.0	,0	.0	.0	
61-70	ن.	.0	•0	.0	.0	.0	•0	• າ	.0	.0	٠.	•0	.0	•0	
71+86	.0	.0	•0	.0	.0	.0	•0	.0	•0	.0	.0	•0	•0	• C	
87+	.0	.0	•0	•0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.5	2.1	.0	.0	.0	10.6	.0	3.6	1.2	•0	.0	.0	4.8	
MOT	1-3	4-10	11-21	W 22-22	10-47	484	prt	1-3	4-10	11-21	*i#	34-47	40.	DC T	TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4=10	11-21	22-33	34-47	48+	PCT	PCT
<i< td=""><td>. 4</td><td>٠.</td><td>.0</td><td>22-33</td><td>.0</td><td>• 0</td><td>.4</td><td>.1</td><td>. 6</td><td>.0</td><td>22-33</td><td>.0</td><td>.0</td><td>, 9</td><td></td></i<>	. 4	٠.	.0	22-33	.0	• 0	.4	.1	. 6	.0	22-33	.0	.0	, 9	
<1 1-2	. 6	1.3	1.7	.0	.0	.0	3.0	.1	2.6	.0	.0	•0	.0	3.1	
<1 1-2 3-4	•0	1.3	1.7	.0	.0	.0	3.0	.1 .0	2.6 .0	.0 .5 5.6	.0 .0	•0	.0	3.1 5.6	
<1 1-2 3-4 5-6	.0	1.3	.0 1.7 .4	22-33 .0 .0 .0	.0	.0	3.0	.1 .0 .0	2.6 .0	.0 .5 5.6 5.5	.0 .0 .0	.0	.0	3.1 5.6 5.5	
<1 1-2 3-4 5-6 7	.0	1.3	.0 1.7 .4 .0	22-33	.0	.0	3.0 .4 .0	.1 .0 .0	2.6 .0 .0	.0 .5 5.6 5.5	22-33 .0 .0 .0	.0	• • • • • • • • • • • • • • • • • • • •	3.1 5.6 5.5	
<1 1-2 3-4 5-6 7 8-9	.0	.0 1.3 .0 .0	.0 1.7 .4 .0	22-33	.0	.0	3.0 .4 .0 .0	.0	.8 2.6 .0 .0 1.7	.0 .5 5.6 5.5 .0	22-33	•0	.0	3.1 5.6 5.5 1.7	
<1 1-2 3-4 5-6 7 8-9 10-11	• • • • • • • • • • • • • • • • • • • •	.0	.0 1.7 .4 .0 .0	22-33	.0	.0	3.0 .4 .0 .0	.1	2.6 .0 .0 1.7 .0	.0 .5 5.6 5.5 .0	22-33	•0	.0	3.1 5.6 5.5 1.7	
<1 1-2 3-4 5-6 7 8-9 10-11 12	• • • • • • • • • • • • • • • • • • • •	1.3	.0 1.7 .4 .0 .0	22-33	.0		3.0 .4 .0 .0	.1	2.6 .0 .0 1.7 .0	.0 .5 5.6 5.5 .0	.0 .0 .0 .0 .0 .0	•0	.0	3.1 5.6 5.5 1.7	
<1 1-2 3-4 5-6 7 8-9 10-11 12 :3-16	400000000	.0	.0	22-33	.0		3.0 .4 .0 .0 .0	100000000000000000000000000000000000000	2.6 .0 .0 1.7 .0	.0 5.6 5.5 .0 .0	22-33	.0		3.1 5.6 5.5 1.7 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 :3-16 17-19	40000000000	.0	.0 1.7 .4 .0 .0 .0	22-33	.0		3.0 .4 .0 .0 .0 1.0 .0	.1	2.6 .0 .0 1.7 .0 .0	.0 .5 5.6 5.5 .0 .0	22-33	• • • • • • • • • • • • • • • • • • • •		.9 3.1 5.6 5.5 1.7 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 :3-16 17-19 20-22	4000000000000	.0	.0 1.7 .4 .0 .0 .0	22-33	.0		3.0 .4 .0 .0 .0 1.0 .0	.1	2.6 .0 .0 1.7 .0 .0	5.6 5.5 0.0 0.0 0.0	22-33	.0		.9 3.1 5.6 5.5 1.7 .0 .0	
C1 1-2 3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 20-22 23-25	40000000000000	1.3	.0 1.7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.0		3.0 .4 .0 .0 .0 .0 .0 .0	.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.6 .0 .0 1.7 .0 .0	5.65.0000000000000000000000000000000000	22-33	.0	000000000000000000000000000000000000000	3.1 5.6 5.5 1.7 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	40000000000000	1.3	.0 1.7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.0		1.4 3.0 .4 .0 .0 1.0 .0 .0	.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.6 .0 .0 1.7 .0 .0	5 5 6 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22-33	.0	000000000000000000000000000000000000000	3.1 5.6 5.5 1.7 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-10 17-19 20-22 23-25 20-32 33-40	• • • • • • • • • • • • • • • • • • • •	1.3	.0 1.7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	3.0 .4 .0 .0 .0 .0 .0 .0	100000000000000000000000000000000000000	1.7	5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22-33	.0	000000000000000000000000000000000000000	3.1 5.6 5.7 1.7 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 :3-16 17-19 23-25 26-32 33-40 41-48	•••••••••••	.0	.0 1.7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000		3.0 .4 .0 .0 .0 .0 .0 .0 .0 .0	100000000000000000000000000000000000000	.8 2.6 .0 .0 1.7 .0 .0 .0 .0	5.65 5.00 0.00 0.00 0.00 0.00 0.00	22-33	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	3.1 5.6 5.5 1.7 .0 .0 .0	
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	• • • • • • • • • • • • • • • • • • • •	.0	.0 1.7 .4 .0 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0.000000000000000000000000000000000000		3.4 3.0 .4 .0 .0 .0 .0 .0 .0	.1000000000000000000000000000000000000	.8 2.6 .0 .0 .0 .0 .0 .0 .0	5.5 5.5 0.00 0.00 0.00 0.00 0.00	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0		3-1 5-6 5-5 1-7 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	•••••••••••••	.0	.00 1.7 .4 .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000		3.4 3.0 .4 .0 .0 1.0 .0 .0 .0 .0 .0	100000000000000000000000000000000000000	.8 2.6 .0 1.7 .0 .0 .0 .0 .0	.0 .5 5.5 .0 .0 .0 .0 .0	22-99 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000		3.1 5.5 5.5 1.7 .0 .0 .0 .0 .0	
<1 1-2 3-4 5-6 7 10-11 12 17-19 20-22 20-32 33-40 49-60 61-70 71-86	***************************************	.0	.00 1.7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0			3.4 3.0 .0 .0 .0 .0 .0 .0 .0 .0	100000000000000000000000000000000000000	.8 2.6 .0 .0 .0 .0 .0 .0 .0 .0	.0 .5 5.5 5.6 5.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-99 .0 .0 .0 .0 .0 .0 .0 .0 .0			3.1 5.6 5.5 1.7 .0 .0 .0 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	•••••••••••••	.0	.00 1.7 .4 .0 .0 .0 .0 .0 .0 .0	22-33	000000000000000000000000000000000000000		3.4 3.0 .4 .0 .0 1.0 .0 .0 .0 .0 .0	100000000000000000000000000000000000000	.8 2.6 .0 1.7 .0 .0 .0 .0 .0	.0 .5 5.5 .0 .0 .0 .0 .0	22-99 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000		3.1 5.5 5.5 1.7 .0 .0 .0 .0 .0	

WIND SPEED (KTS) VS SEA HEIGHT (FT) TOT OBS <1 1-2 3-4 5-0 7 8-9 10-11 12 13-10 17-19 20-22 23-25 20-32 33-40 41-48 49-60 61-70 71-80 87+ 15.1 10.9 23.2 7.1 .0 1.7 .0 .0 .0 .0 26.09 3.7 17.4 12.6 .0 .0 .0 .0 .0 .0 .0 35.8 .0 100.0 TCT PCT 16.1 42.9 5.2 .0

PERIOD: (OVER-ALL) 1949-1959 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PGRIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TO:AL PCT HEAN HGT 3 4 6 5 6 11 3 <1 1-2 3-4 .6 .0 .0 .0 10.5 16.4 4.7 1.4 .2 0 13.0 4.6 .0 .1 .0 2.6 8.3 7.3 2.3 .0 .0 2.1 .0 1.0 #.5 4.8 1.1 .0 .0 .0.00000 .00000000 .0000000 .00000 00000000 0.00000000 •••••• .0000000 .000000000000 134 180 98 25 2 1 51 491 .00.00 .000000 4.2 19.7 35.2 22.8 13,1 .9 .5 •1 ٠0 3.4 . 1 • > •0 •0 ٠0 ٠0 •0 ٠0

			PERCE	NT FRE	QUENCY	CF OC	CURREN	CE OF	SEA TE	MP (DE	G F) 8	Y HONT	н	
SEA THP DEG F	MAL	PES	HAR	APR	MAY	JUN	JUL	AUG	SEP	CÇT	NOV	DEC	ANN	PCT
96+	.0	.0	•0	•0	.0	•0	•0	.0	•0	•0	.0	•0	0	•0
95/96	•0	.0	•0	•0	•0	• 0	•?	•0	•0	•0	•0	•0	0	•0
93/94	•0	•0	•0	•0	.0	• 0	•0	•0	•0	•0	•0	•0	ə	•0
91/92 89/90	.0	.0	.0	•0	.0	•0	•0	.0	٠,0	•0	.0	•0	0	.0
87/88	.,	1.1	1.6	1.7	.2 1.8	.9	• 1	.0	• 1	•1	• 0	•	36	•1
85/86	5.9	9.5	16.2	22.3	25.2	17.8	8,6	3.7	.5 3.8	. • 3	3.9	4.5	284 3774	8
83/84	34.3	41.5	46.4	50.5	53.0	53.1	47.9	39.1	33.3	4.3 35.0	30.7	31.8	14848	10.5
81/82	48.4	39.5	29.7	22.0	18.3	26.3	35.6	46.0	47.9	45.4	52.0	50.7	13682	41.5 38.2
79/80	9.0	6.9	5.0	2.6	1.2	3.4	6.0	9.3	11.8	11.3	10.9	11.5	2639	7.4
77/78	1.8	1.2	.,	.6	.3	.4		1.4	2.5	2.9	1.6	1.2	455	1.3
75/76	2	·.i		.2	.1	• • • • • • • • • • • • • • • • • • • •	• 1		• 1	4	1,5	1.1	60	1.3
73/74			•0		.0	•0	.2			. 4	.2		32	-1
71/72	.0	.0	.0	.0	.0	.0	.0	•	•0		.1	•	- 5	"
69/70	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	ō	.0
67/68	.0	.0	.0	10	.0	.0	.0	.0	•0	ŏ	ŏ	.0	Ď	.0
65/66	• 6	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	•0	0	•0
63/64	.0	.0	• 0	• >		•0	•0	.0	•0	.0	-0	.0	0	•0
61/62	•0	.0	• 0	•(•0	•0	.0	•0	•0	• 0	.0	•0	0	•0
59/60	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	G	•0
57/58	• 0	٠.	•0	•0	.0	•0	.0	•0	•0	•0	.0	•0	9	•0
95/56	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	0	•0
53/34	•0	.0	•0	•0	•0	•0	• 0	•0	•0	•0	•0	.0	0	•0
51/52 49/50	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	0	+0
47/4B	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	0	•0
45/46	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	0	٠0
43/44	•0	č	•0	•0	.0	•0	•0	.0	•0	•0	•0	•0	0	•0
41/42	, c	.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	.0	0	•0
39/40	.0	.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	•0	ŏ	••
37/38	•0	.0	.0	•0	ŏ	.0	.ŏ	•0	.0	•	٠٥	ŏ	ŏ	.0
35/36	• 0	.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	.0	ŏ	• • • • • • • • • • • • • • • • • • • •
83/34	.0	.0	•0	.5	Č	• 0	.0	.0	.0	.0			ŏ	•6
31/32	.0	.0	.0	.0	•0	•0	.0	.0	•0	•0		.0	ŏ	
29/30	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0		.0	ŏ	
27/28	.0	.0	.0	.0	.0	•0	.0	•0	•0	•0		•0	ě	
427	.0	.0	.0	.0	.0	.0	.0	.0	• 6	•0	.0	•0	Ŏ	.0
TÜŢĀŁ	2949	2750	3122	2993	3091	3011	2979	2984	2735	3146	3001	2954	35015	100.0
MEAN	82.2	82.6	\$7.0	63.4	83.6	\$3. 2	82.6	42.1	82.7	82.3	81.9	82.0	82.5	

TABLE 21

PRESSURE (MB)

AVCRAGE BY HOUR (GMT)													
										TOTAL			
Ηľ	0000	0300	0600	0900	1200	1300	1800	2100	MEAN	385			
Jāk	1010		1010	1008	1009	1010	1010	1008	1010	92			
PEE	1010		1010	1007	1009	1007	1009	1010	1009	73			
MAR	1011	1011	1010	1008	1010	1006	1011	1009	1010	106			
APR	1009	1010	1009	1007	1009	1009	1010	1008	1009	106			
MA-	1010		1009	1008	1010	1008	1011	1008	1010	74			
JUL	1010	1011	1609	1008	1009	1010	1010	1009	1010	61			
JUĹ	1010	1013	1010	1011	1010		1011	1010	1010	93			
AUG	1011		1010	1010	1010	1009	1010	1009	1010	86			
SEP	1011		1011	1010	1010	•••	1011	1012	1011	104			
OCT	1011	1013	1010	1009	1010	1010	1010	1011	1010	iii			
NOV	1010	1009	1010	1009	1010	1012	1010	1009	1010	137			
DEC	1010	•	1409	1008	. 004	1009	1010	1008	1009	105			
ANN	1010	1011	1010	1009	1010	1009	1010	1009	icip	1153			
085	276	7	294	85	189	35	174	93		•••			

PERCENTILES

#C	FIN	12	5%	23%	508	755	75%	99%	Max	
Jeli	1004	1004	1003	1008	1010	1011	1017	1013	1014	
FEe	1307	1007	1007	1008	1009	1010	1012	1012	1013	
MAR	1606	1026	1006	1008	1010	1211	1013	1013	1014	
APR	1005	1:05	1004	1008	1009	1010	1012	1013	1014	
MAY	1005	1005	1907	1005	1010	1011	1013	1013	1014	
198	1006	1006	1007	1008	1009	1011	1012	1014	1015	
31/"	1007	1007	1003	1009	1010	1011	1012	101.	icis	
AUG	1004	1^06	1007	1009	7070	1012	1013	1013	1014	
SEP	1906	1006	100\$	1010	1011	1012	1014	1014	1015	
730	1006	_003	1007	1005	1010	4031	1013	1013	1014	
KOV	1036	1006	1007	1409	1010	1011	1013	1013	1014	
940	1002	1005	1006	1009	1007	1011	1612	1013	1014	

TABLE 1

AREA 0002 CHRISTMAS ISLAND 10.25 105.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIFI	TATIO	N TYPE					OTHER	WEATHER	PHENO	HENA	
WND DIR	RAIN	PAIN Shur	DR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPH AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FOG HU PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	٠.	.0	16.7	12.5	.0	.0	.0	.0	70.8
NE	30.8	.0	30.8	.0	.0	.0	.0	61.5	38.5	.0					
£	21.6	8.1	.0	.0	.0	.ŏ	.0	29.7	8.1			.0	.0	•0	.0
ŠE		3.5	2.9	.ŏ						0	.0	•0	.0	•0	82.2
					•0	.0	•0	6.6	•7	2.9	.0	•0	•0	•0	89.8
•	.0	.0	.0	.0	•0	.0	•0	•0	4.0	.0	.0	.0	• 0	.0	96.0
S¥	.0	.0	.0	.0	.0	.0	• 0	.0	2,8	2.8	.0	.0	•0	•ŏ	94.3
¥	.0	3.6	.0	.0	•0	.0	•0	2.6	3.6	0					
Ħ⊯	.0	.0	10.5	.č	·ŏ	.č	ě	10.3	10.5	. • •	•0	•0	•0	•0	92.8
VAR	.0									1.3	•0	•0	•0	٠0	77.6
		.0	.0	.0	-0	.0	•0	•0	•0	.0	•C	.0	.0	•0	.0
CALP	.0	.0	٠.	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0		100.0
TOT PCT TOT CAS:	1.6	1.6	2.2	.0	•0	.0	•0	5.5	4.9	1.0	٥.	.0	•0	.0	87,9

TABLE 2

PERCENT FREQUENCY C" WEATHER OCCURRENCE BY HOUR

			1	RECIPI	T=1:0	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIM Shur	MR7L	PRIG PCPN	SNOW	OTHER FRZ:H PCPN	JIAIL	PGPN AT OB TIME	PCPN PAST HOUR	THER LTNG	FDG HU PCPN	FUG NO FCP's PAST HR	HAZE	SPRAY BLWG BUST BLWG SNOW	
00603 06609 12515 18621	2.0 3.4 .0	4.1 1.7 .0	2.0 1.7 .0 5.4	.0	.0 .0	,0 .0 .0	.0	8.2 6.8 .0 5.4	2.0 6.8 7.0 2.7	.0 2.3 5.4	.0 .0	.0	•0		89.4 80.4 90.7 86.5
TOT PLY TUT OBS:	1.3	1.6	2.1	.0	•0	٠0	•0	5.3	4.5	1.6	٠υ	.0	•0	.0	84.3

TAPLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

												-	-				
HND DIR	0-3		ND SPEE 11-21			48+	TOTAL OBS	PCT FR#Q	₩ E Δ₩ \$ P D	90	n3	06	HOUR 09	(GMT) 12	15	18	21
H E SS SW HW VAR CALM TOT CBS	.2 .8 .7 2.3 2.5 4.1 1.6	1.6 1.2 1.4 7.5 14.4 14.1 7.4 6.1	.4 .0 .9 5.3 2.5 6.0 4.6 3.4	.0		••••••		2.5 2.0 3.1 15.6 20.5 22.5 16.4 10.1	9:0 3:7 7:4 8:6 7:3 7:4 10:3	.0 2.4 3.6 17.5 28.9 21.7 19.0 4.5	4+2 41+7 12+5	1.4 2.9 15.0 17.1 25,2 19.1 8.9 .0	4.1 .0 5.4 13.9 23.5 19.6 21.6 6.8 .0	20.1 13.5 12.5 .0	20.0 20.0 35.0 5.0 30.0	.0	4.1 7.1 .0 9.7 11.7 25.5 15.3 14.3
TOT PCT	109 21.7	270 53.8	23.3	1.2	•0	.0	502	100.0	7.6	100.0	100.0	165	37	92	•	ÁR	49
												~~~~			14010	10010	10000

#### TABLE 34

WND DIR	C-6	WIND 7-16	SPEED 17-27	(KNGTS) 28-40	41+	TUTAL QBS	PCT FRF9	HEAN SPD	on 03	Hau 06 09	12 12 15	18 21
N NE E SE S N N N VAR	1.5 2.0 1.6 5.4 6.2 11.7 4.8 3.9	.5 1.5 8.6 10.3 9.7 9.2 5.2	1.2 1.0 1.1 2.4		200000000		2.5 3,1 15.6 20.5 22.5 16.4	9.0 3.7 7.4 8.6 7.3 7.4 10.3	2.2 3.4 16.6 29.8 21.1 19.4 5.3	2.4 1.1 3.3 14.7 18.3 24.1	3.9 4.1 18.0 17.1 17.3 14.4	3.5 4.8 1.6 14.3 18.2 23.2 10.1 14.5
CALM TOT ORT TOT PET	7.4 240 47.8	224	26 7.2	.0		502	7.4 102.6	7.8	.0 2.2	7.9 202	.0 2.2 97	9.6 114

PERIODI (PRIMARY) 1966-1972 (OVER-ALL) 1855-1972

TARLE 4

AREA 0002 CHRISTMAS ISLAND 10.25 105.3E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALP	1+3	4-10		SFEED (		48+	MEAN	PÇT FREQ	TOTAL OSS
50400	2.2	10.1	56.2	30.3	1.1	.0	.0	8.6	100.0	89
90209	7.9	15.3	51.0	24.8	1.0	.0	.0	7.5	100.0	202
12615	8.2	15.5	58.8	14.4	3.1	.0	.0	7.1	100.0	97
18621	9.6	14.9	52.6	22.8	.0	.0	.0	7.3	100.0	114
TOT	37	72	270	117	6	6	٥	7.6		502
PCT	7.4	14.3	53.8	23.3	1.2	.0	.0		100.C	

TABLE 5

TABLE 6

				WEE )														
	PCT FRE			LOUD A		(EIGHTHS)		1					CEILIN NH <5/					
MND DIA	G-2	3-4	3-7	8 & n35CD	TETAL PBS	CLOUD COVER	000 149	150 299	300 599	600 9 <b>99</b>	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	AH <5/8 ANY HGT	TOTAL 085
4	.c	• 2	2.0	1.4		6.5	.0	.0	.0	.0	.0	.0	.c	.0	.0	.0	3.4	
NE		.0	. 7	1.5		7.0	•0	•0	.0	.7	. 8	.0	.0	•0	.0	• • •	.7	
E	2.7	. 7	.5	1.2		3.5	•0	• 0	.0	۰,0	1.0	•0	•c	•0	.0	.0	4.1	
ŠE	6.4	5.4	5.9	1.5		4.0	•0	•0	.0	1.5	2.2	•0	.c	•0	.0		15.5	
Š	9.0	4.9	8.4	1+2		3.7	•0	.0	.0	1.0	. 7	1.0	. C	•0	•0	• 2	20.8	
Sh	3.2	4.2	9.8	2.4		5.0	•0	.0		. 8	2.0	1.2	.0	•0	•0	. 7	14.9	
¥		3.0	7.8	3.0		2.6	•0	.0	'n	.0	2.0	2.2	.0	•0	.0	.0	10.0	
N-		3.4	5.4	1.4		5.5		.0	.0	.0	.,7	1.7	, c	-0	.0		7.6	
VAR			.0	•••		.5	ě		ŏ	ő			č	•0	ě		•0	
CALH	1.4	.,	.0	.7		4.0	.0	•0	ŏ	.0	ě	.0	.0	•0	.0	.5	2.7	
TOT DES		33	60	21	148		.,	·č	• 6	• 6	14	• •	Č	•	•	• • •	115	148
TOT PC1		22.3	40.5	14.2	100.0		•ŏ	• ^	.ŏ	4.1	9.5	6.1	ŏ.	٠,	.ŏ	. 7	79.7	100.0

"ABLE 7
CUMULATIVE PCT FREQ OF SIMULTANEOUS DECURRENCE OF CEILING HEIGHT (NH 34/8) AND VSBY (NH)

				V58Y (4H	)			
CEILING	• CP	⇒ DR	■ GR	- na	⇒ DR	• DR	• GR	⇒ Dá
(FEET)	>10	>5	>2	>1	>1/2	>1/4	SUYD	>0
■ DR >6500	.7	.7	.7	.7	.7	.7	.1	.7
<ul> <li>€ € € € € € € € € € € € € € € € € € €</li></ul>	.7	.7	. 7	.7	.7	.7	.7	.7
<ul> <li>CF &gt;3500</li> </ul>	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
• CR >2000	5.9	7.2	7.2	7.2	7.2	7.2	7.2	7.2
• OR >1000	9.#	15.7	17.0	17.0	17.6	17.0	17.0	17.0
■ DR >600	11.8	19.6	20.9	20.7	20.9	20.9	20.0	20.9
■ PR >300	11.0	19.5	20.9	20.9	20.9	20.9	20.9	20.9
o DR >150	11.8	19.6	20.9	20.9	20.9	20.9	22.9	23.9
• CR > G	11.8	19.6	20.9	20.9	20.9	20.9	20.9	20.9
TOTAL	1.	30	32	32	32	32	32	32

TOTAL NEWBER OF OBS: 153

PCT FREQ NH <5/81 79.

TABLE 7-

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085C0 TOTAL 085 2.4 11.7 28.4 21.6 19.0 7.4 4.9 3.1 7.4 .0 162

PERIOD: (PRIMARY) 1866-1972 (OVER-ALL) 1855-1972

TABLE 8

AREA 0002 CHRISTHAS ISLAND 10.28 105.3E

VSBY			NE	ε	SE	S	54	4	Ala	VAR	CALM	PCT	TOTAL
(NH)				-		_						_	CBS
	PCP	٠,	.0	.0	.0	.0	• 0	.0	.0	•0	.5	.0	
<1/2	NO PCP	.0	٠.	•0	.0	•0	• 0	٠,٠	.0	.0	• 3	.0	
	TOT %	•0	• 0	•0	•0	• •	•0	.0	•0	•0	•0	•0	
	PCP	.0	•0	.0	•0	•0	• າ	.0	.0	.0	•0	.0	
1/2<1	NO PLP	.0	.0	.0	.0	•0	• 0	.0	• 0	•0	• 0	٠.	
	101 \$	٠.	**	.0	•0	•0	•0	.0	. C	•c	•0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	•0	.0	• •	.0	
1<2	NO PCP	.c	.0	.0	• e	• 0	• ^	•0	.0	.0	• 2	.0	
	TOT %	.c	.0	.0	.0	•0	•3	•0	•0	.0	•0	٠.	
	PCP	.c	. 2	.0	.5	.0	• 0	. 2	• 0	.0	• 2	. 5	
2<5	NO PCP	.0	.7	. 4	• 1	1.5	•0	.0	. 0	.0	. 3	2.7	
	TOT %	•0	.7	.4	.7	1.5	•0	•0	•0	•0	•0	3.3	
	PCP	.0	1.1	.5	.5	•0	•0	. 5	1.1	.0	• 0	3.8	
5<10	NO PCP	.5	.0	.5	2.5	2.9	1 . 1	1.9	1.4	•0	• າ	10.4	
	TOT %	. 5	1.1	.5	3.2	2.9	1.1	2.5	2.5	•0	• 5	14.3	
	PCP	.0	٠.	1.0	.1	.0	•0	٠.	.0	.0	• 1)	1.1	
10+	ND PCP	2.7	.0	3.2	14.8	19.4	18.3	12.8	0.0	.0	2 • 2	81.3	
	707 X	7.7	.5	4.1	15.3	19.4	18.3	17.8	8.0	•0	2.2	42.4	
	FOT DBS												18
	TOT PCT	3.3	1.6	9.1	18.8	23.0	17.4	15.2	10.4	.0	5.2	100.0	

TAPLE 9

				ERCEN	T FREG WITH V	OF HI	ND DIF VALJE:	ECTION S OF V	VS HI	NO SPE	Eo		
VSBY	SPD KTS	•	NE	ŧ	SE	\$	\$#	ď	NH	VAR	CALM	PCT	TOTAL
• •	J-3	.0	.c	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	•0	• 0	.0	.0	.0	.0	.0	.0	• •	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	٠,		.0	
	+55	.0	.0	.0	.0	.0	. 3	.0	.0	.0		,0	
	TOT \$	.0	.0	•0	•0	.0	•0	••	•0	.0	•0	۰.	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	•0	•0	•0	• 0	.0	•0	•0	.0	.0		.0	
	22+	.0	•0	•0	.0	.0	.0	.0	.0	.0		۰.0	
	70T %	.0	•0	•0	•0	.0	•0	.0	•0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	•0	٠,	.0	.0	.0	
1<2	4-10	.0	• 0	•0	.0	.0	.0	.0	•0	٠.		٥.	
	11-21	.0	•0	•0	•0	•0	.0	.0	•0	.0		•0	
	55+	.0	.0	٠,	.0	•0	٠,٥	.0	.0	٠,	_	٠,٥	
	TOT %	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	.0	
	2-3	٠.	.6	,4	.0	.0	.0	.0	.0	.0	.0	1.0	
2<5	4-10	.0	•0	•0	.6	1.4	.0	.0	.0	٠,		2.0	
	11-21	.0	•0	•0		•0				.0		.,	
	22+ 101 %	.0	.0	•0	.6	1.4	:8	.0	.0	:8	.0	3:4	
	0-3	.0	.0	٠.	.0	.3	.5	. 5	.0	٥.	.0	1.5	
.5<10	4-10	.0	1.0	•0	1.8	2.6	.c	. 2	1.2	.0		6.9	
	11-21	. 5	.0	.5	1.0	.0	1.0	1.5	1.0	.0		5.4	
	22+	.0	•0	•0	.0	•0	.0	.0	.0	,0		.0	
	101 %	.5	1.0	.5	2.8	3.1	1.5	2.2	2.2	•0	•0	13,6	
	0-3	•0	1.0	.5	.2	1.6	. 9	.7	.0	.0	3.4	1.4	
10+	4-10	1.4	.5	2.3	9.6	10.4	13.7	6.5	5.3	.0		55.7	
	11-21	.6	•0	. 9	3.8	1.4	3.6	5.4	2.1	.0		17.7	
	22+ TOT %	2.5	1.5	.0 3.7	13.7	19.3	.C 19.1	13.2	7.4	.0	3.4	1.0	
	TOT DBS			- • ·		- **				•			203
	TOT PCT	3.0	3.1	4.6	17-1	23,8	19.6	15.4	9,9	••	3.4	100.0	20,

PERIOD: (PRIMARY) 1856-1972 (CVER-ALL) 1855-1972

TABLE 10

AREA 0002 CHRISTMAS ISLAND 10.25 105.3E

### PERCENT FREQUENCY OF CFILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HUUR

1000 2000 3500 5000 6500 8000+ TOTAL NY <5/8 TOTAL 1999 3/99 4999 6499 7999 ANY MGT ODS HOUR (GHT) 00603 75.6 41 90360 73.5 49 12615 .0 89.5 38 ٠. 10.5 18521 17.2 29 .6 20.4 15 9 9.6 5.7

TABLE 11

TABLE 12

		PERCE IT	FREQUEN	יפצע אס	( (NN)	3Y HZUR	•	CUMULAT					VSBY (NH)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 55	1000+ 4Nn5+	NH <5/8 AND 5+	TOTAL OBS
£C300	.5	.0	.c	1.9	17.0	61.1	43	00803	.0	.0	12.2	14.6	73.2	41
06609	.0	.0	• ?	3.1	9.4	87.5	64	90360	•0	.0	4.2	22.9	72.9	48
12615	• 2	.0	.0	.0	13.0	87.0	46	12615	•0	.0	2.8	8.3	88.9	36
18621	.0	٠.	.0	8.7	23.9	57.4	46	18621	٠.	٠.	7.1	14.3	78.0	28
TOT PCT	.0	.0	.0	7 3.3	32 15.3	170 81.3	209	797 PCT		.0	6.5	24 15.7	119 77.8	153 100•0

TABLE 13

TABLE 14

	PERCI	ENT FR	EQUENC	Y OF #	ELATIV:	E HUMI	DITY B	Y TEMP	<b>707.</b>			PERC	ENT FR	EQUEN	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-29	40-49	50-59	50-69	70-79	50-89	90-100	TOTAL	PCT FREQ	ч	46	ε	SE	S	SW	¥	NW	VAR	CALM
85/89 80/84 75/79	.0		•0	.0	11.4	39.4	28.8	2.3		12.1 81.8 6.1	3.B	.0 .8 .8	1.5	1.5	18.6	4.2 16.5 1.7	2.7 13.3	1.5 7.6	.0	2.3
PCT	.0		•		20 15•7			3.8	132	00.0	3,8	1.5	5.7	17.4	20.5	22.3	15.9	9.8	•0	3.0

TABLE 15

TABLE 16

				,											••			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	IP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YFIGIRL	BY HOUR	t
HOUR (GMT)	MAX	99%	95%	50%	5%	14	HIN	MEAN	TGTAL OBS	HŪUR (GMT)	0=29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
£0300	95 91	93 90	86 88	82 83	78 79	76 77	75 69	81.9 83.5	90 199	60309 60309	•0	•0	20.0 17.8	37.1 55.6	40.0	2.9	78 75	35 45
12615	**	86 87	85 86	82 81	79 78	79 76	79 76	82.0 81.1	96 112	12615 18621	••	•0	12.5	50.0 56.5	34.4	3.1 8.7	78 80	32 23
TOT	95	90	87	82	79	77	69	82.4	497	TOT	0	0	20	67	43	5	77	135

PERIOD: (PRIMARY) 1866-1972 (OVER-ALL) 1854-1972

TABLE 17

AREA 0002 CHRISTMAS ISLAND 10.25 105.3E

## PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE DF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

_							
AIR-SEA TMP DIF	73 76	77 80	81. 84	85	TOT	FOG	#D FDG
5	.0	•0	.0	.6	1	.0	.6
4	.0	•0	1.9	.6	4	.0	2.5
3	.0	.0	.0	1.2	2	.0	1.2
	.0	•0	3.1	1.9	8	.0	5.0
1	.0	•0	9.9	1.9	19	.0	11.0
i C	.0	. 6	9.3	. 4	17	.5	10.6
-ĭ	.ŏ	3.7		.0	49	.0	30.4
-ž	.0	5.6	9.3	.0	24	.0	14.9
-3	.0	3.7	7.5	.0	10	.0	11.2
-4	.5	4.3	5.0	.0	15	.0	9,3
-5	.0	•0	. 6	'n	1	.0	.6
~6	. 6	. 6	.0	.0	ž	.0	1.2
-7/-8		•0	. 6	Ď	ī		1,5
TOTAL	ň	•••	119	• •	-	٠,	161
TURK			114			•	107
		30		11	161		
PCT	.6	15.6	73.9	6.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				PC	T FRES	OF WIND	SPEED	(KTS) AND DIR	ECTION V	EPSUS \$	EA HEIG	H'\$ (FT)		
HGT	1-3	4-10	11-21	h 22+33	34-47	48+	PCT	1-3	4=10	11-21	NE 22-33	34-47	48+	PCT
<1	. 0		.0	.0	.0	7.0		i.5	.0	.0		.0	•0	1.3
1-2	.ŏ	1.5	.0	.0	.0	.0	1.5	-0	.0	.0		.0	.ŏ	.0
3-4	.ŏ		.0	.ŏ	ň		. 8	.0	1.0	. 5		.0	.0	1.7
5-6	.ŏ	.0	. 8	••	.0	.0		·c	.0	.0	.0	.0	.0	•0
7	ě	.õ	.0	.5		.0	.0	ŏ	•0	.0	•0	. 0	.0	.0
8-9	č	.ŏ	•0	·ó		.0	.0		.0	.0	.0	.0	.0	.0
10-11	ě	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	•c	.0	.0	.0	.0	.0	.0	.0	•0	۰٥	.0	.0
13-16	. 5	.0	•0	.5			.0	ō	. 0	.0	.0	.0	. 0	.0
17-19	.õ	.0	.0	.0	.5	.0	• 2	.0	.0	•0	.0	.0	.0	•0
20-22	č	.5	•0	.0	.,	.0	·ć	ō	.0	.0	.0	.0	.0	.0
23-25	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0
26-32	. 0	.0	•0	.0	.ñ	,0	.0	•0	.0	.0	•0	.0	.0	•0
33-40	.0	.0		.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	•0
41-48	. 5		.0	•0	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0
49-00	.5	.0	•0	.0	• • •		•0	•0	.0	.0	.0	.0	.0	•0
61-70	.5	.0	•0		.0	.0	•0	.0	.0	.0	.0	.0	.0	•0
71-86		.ŏ	•0	.0	.0	ů.	.0	.0	.0	40	.0	•0	.0	.0
87+		.0	•0	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0
TOT PCT	.0	2.3		• 5	.0	.0	3.0	1.3	1.0	.0	•0	•0	•0	2.3
				£					4 40		32-23	34-47	48+	
HGT	1-3	4-10	11-2;	`Z~-33	34-47	48+	PCT	1-3		11-21				PCT
<1	. 8	1.0	•0	.0	•0	.0	1.5	•0		. • 0	.0	•0	•0	1.5
1-2	.0	1.1	•0	.0	.0	.0	1.8	•0	12.5	1.0	.0	.0	٠,٥	12.5
3-4	٠,	1.0	. 8	•0	.0	.0	1.8	•0		2.3	.0	•0	.0	2.8 1.0
2-6	•0	.0	.0	•0	.0	.0	0	•0		1.0	.0	.0	:0	1.0
7 5 <b>-9</b>	.0	.0	2.0	•17	.0	.0	2.0	•3				3.		0
10-11	.0	.0	•0	•0	•0	.0	.0	0, • 0		.0	•0	ن٠	.0	.0
		.0		.0	.0	.0	•0	.0				.0		.0
12 13-16	.0	.0	•0	.0	.0	.0	•0	:0		:6	.0	ě		:0
17-19	:0					.0	.0	•6			.0	.0		.0
20-22	:ŏ	.ŭ	•0	.0	.0	.0	•0	٥٠		:	.0			.0
23-25	.0	.0	•0	•0		.0	• 6	ě		٥٠	.0		.0	.0
26-32	. 5	.0	•0	.0	•0	.0	.0	.0						•0
33-40		.0	•0	•0	.0	.0	.0	•0		,0		.0		.0
41-48	.,	.0	•0	.0	.0	:0	:0	•0		ŏ	.0	.0	ŏ	.0
49-60	:0	.0	•0	.0	.0		.0	ö				.0		
61-70	:0	.0	•0	.0	.0	.0	•0	.0		ة:	:0		.ŏ	•0
71-86		.0	•0	.0	.0		.0	.0		ő	.0	.0		
47+	:0		•0	.0	.0	:0	:0	;ŏ		ĕ	:0		.ŏ	
TOT PCT	: 4	3.4	2.8	:0	.0		7.3	:0		9,3	.0	•0		19.8
							7.3	•0	14,3	9,3	•0	•0	.0	19.8

	WIND	19820	(XTS)	VS SEA	HEIGHT	(FT)		
HCT	0-3	4-10	11-21	22-33	34-47	46+	PCT	TOT
<1	6.0	11.0	.0	.0	.0	.0	17.0	085
1-2	2.0	45.0	6.0	ō	.0	.0	93.0	
3-4	0	15.0	7.0			.0	22.0	
5-6	.0	9	5.0			. 0	5.0	
7	.0	Ċ	3.0	ö		.0	3.0	
8-9	.0		.0			.0	.0	
10-11	.0	.0	.0	'n		.0		
12		.c	.c	.0		, n	.0	
13-14	•0	.0	.0	ŏ		.0	.0	
17-19		•0		.0		.0	.0	
20-22			.č	.ŏ		.0		
23-25	.0	.0	.0	ŏ		.0	.0	
26-32	.0	.0	.0			.0	.0	
33-10		.0				.0	.0	
41-48	:0		:6	č		.c		
47-40	.5					•0	.0	
61 70	.0	.0					, 0	
71-86		·ŏ				.0	.0	
874		.0				.0	.0	
• 1 •	••	••	••	•••	•••	••	••	100
	• •		31 0		•		100 0	200

PERIO	): (DV	EP-ALL	3 194	9-1972					TABLE	19											
					PELZEN	T FAE	OUEHCY	OF WA	VE HEIG	HT (F1	1 25 (1	MAVE PI	FRIOD	(SFCON	D\$)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20~22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.7	11.5	17.3	2.2	.7	.7	•0	.0		.0	.0	.0	.0	.0		.0	.0	:0	.0	46	3
6-7	.0	1:4	11.5	7.9	2.7	2.5	: :8	.0		:0	:8	.0	.0	.0		.0	.0	:0	:0	32	3
10-11	.0		7,7	5.0	5.6			.0		.0	.0	.0	.0	.0			٠,0	.0	.0	13	6
	•0	.0	2.2	.7	.0	. 0		.0		.0	.0	•0	.0	•0			•0	•0	•0	•	•
>13	•0	•0	.0	1,4	.0	.0		•0		.0	.0	.0	.0	•0			.0	.0	.0	- (	?
INDET	.7	:7	• • • • • • • • • • • • • • • • • • • •	.6	.0	1.4	• • •	.0		.0	• •	.0	٥٠				•0		ď	139	- 7
TOTAL	3.4	14.4	354	37	15	7.1	0	.0	٥	٠.	.ŏ	.ŏ	.ŏ	.ŏ		.ŏ	.ŏ	.ŏ	٠,	100.0	•

PEPIDD: (PRIMARY) 1865-1969 (OVER-4LL) 1856-1969

TABLE !

.-EA ODGZ CHRISTHAS ISLAND 10.15 105.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIR TIC

					-										
			Þ	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO CIR	RAIN	PAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAI.	PCPN AT B TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUS BLWG SND	
N	.0	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	٠,٥	.0	•0	100.0
NE	.0	.0	.0	.0	.0	.0		.0	•0	.0	• 0	.0	•0	.0	100.0
E	5.7	11.4	.0	.0	.0		. c	17.1	•0	.0	• 0	.0	.0		82.9
Šε	2.5	5.3	.0	.5	.0		•0	7.9	5,3	.0	10.5	.0	•0	•0	76.3
š	.0	.0	.0	.0	.0		.č	.0	.0	13.1	• 0	.0	.0	•0	86.9
Š	.ŏ	. 0	. 5	.0	.5		.0	. 0	9.3		. 5	.5	• 0	•0	90.1
W	.0	4.9	.5	.0	• 2		•0	4.9	4.9	.0	.0	.0	•0		90.2
Nw	3.7	3.7	.ŏ		ó		.č	7.5	•0	.0	.,	i	.,		92.5
VAR		. 0	.ŏ		.5				.0			š	·ó		0.0
CALM	•0	.0	.š	.0	.0		·ċ	.0	•0	.0	.0	.0	•0		100.0
TOT PCT TOT CBS:	1.7	3.3	.0	.0	•0	•0		5.0	3.3	1.7	1.7	•0	•0	•0	88.4

TABLE 2
PERCENT FREQUENCY OF WEATHER DOCUMENCE BY HOUP

			P	RECIPI	TATIO	TYPE					OTHER	HEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHER	nez L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FCG WD PCPN	FJG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SI: WEA
00603 06609 12615 18621	.0 2.2 .0 6.7	7.6 4.4 .0 6.7	.0	.0	•••	.0	.0	2.6 6.7 .0 13.3	5.1 2.2 3.8 .0	2.6 .0 .0 13.3	2.6 2.2 .0	.0	•0 •0 •0	•0 •0 •0	87.2 88.9 96.2 73.3
TOT PCT TOT CBS:	1.6	3.2	.0	.0	•0	•0	٠.	4.8	3.2	2.4	1.6	•0	•0	•0	88.0

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	NO SPEI	EC (#740	375)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL 280	PCT FRFQ	MEAN SPD	00	03	06	69	12	15	18	21
N NE SE SW W	1.2 1.5 1.5 2.9	2.5 1.4 2.8 8.0 8.1 11.9	1.5 .3 .2 2.9 3.6 4.1 3.8	.00000	.0	.0		3.4 2.0 4.2 12.4 13.1 18.9	9.1 6.6 6.0 8.4 8.6 8.0	6.0 2.6 1.3 15.1 14.7 22.0 14.2	50.0 50.0	4.7 2.1 5.5 12.8 11.5 12.5	23.9 21.7 2.7	6.0 1.0 8.5 12.5 14.0 20.5	.0 .0 .0 .0	10.8 1.4 .0 6.1 10.1 16.9 20.9	1.8 3.6 .0 12.5 7.1 26.8 14.3
NH VAR CALM	2.4 .0 6.8	8.8	9.4	.0	.0	:0		22.3 .0 6.8	11.4	17.2	•0	29.7 .0 7.3	17.4	16.5	.0	25.7 .0 8.1	19.6 .0 14.3
TOT CBS	57 19.3	154 52.2	76 25.8	2.4	.3	.0	295	100.0	8.6	58 100-0	100.0	96 100•0	23 100.0	100.0	100.0	37 100.0	28 100•0

۲A	AL.	.E	34	

WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	H3UR 06 09	(GHT) 12 15	18 21
N	2.9	1.7	.7	•0	. 2		5.4	9.1	5.8	4.2	5.9	6.9
NE	1.4	•7	•c	•0	.0		2.0	6.6	2,5	2.1	1.0	2.3
E	2.4	1.8	•0	.0	.0		4.2	6.0	1.3	6.1	8.3	•0
SE	4.4	6.9	1.0	•0	.0		12.4	1.4	14.6	13.2	12.3	1.1
5	4.1	8.6	.5	.0	.0		13.1	8.6	15.8	13.9	13.7	1.1
Sw	7.2	10.9	. 8	.0	.0		18.9	8.0	22.9	14.3	22.1	21.2
¥	3.5	8.7	2.5	. 2	.0		14.9	10.4	13.8	13.0	16.7	10.1
NW	5.4	12.5	4.0	.2	. 2		22.3	11.4	10.7	27.3	16.2	23.1
VAR	.0	.0	.0	.0	. ē		.0	.0	.0	.0	.0	•0
CALH	6.8						6.8	.0	6.7	5.9	3.9	10.8
TOT DAS	112	153	28	1	1	295		5.6	60	119	51	65
TOT PCT	38.0	51.9	9.5	.3	.š		100.0		100.0	160.0		100.0

FEBRUARY

PERIOD: (PRIMARY) 1865-1969 (OVER-ALL) 1856-1969

TARLE 4

AREA 0002 CHRISTHAS ISLAND 10.15 105.3E

#### PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

HQUR	CALH	1-3	4-10		SPEED (		48+	MEAN	PCT FKEQ	TOTAL
60300	6.7	11.7	55.7	25.0	.0	.0	.0	8.4	100.0	60
90380	5.9	11.8	53.8	25.2	2.5		.0	8.8	100.0	119
12615	3.9	15.7	37.9	23.5	3.9	.0		8.5	100.0	51
18221	10.8	12.3	44.6	29.2	3.1	.0	.0		100.0	65
TOT	20	37	154	76	7	ì	Ö	8.6		295
BCT	6.8	12.5	52.2	24.8	2.4	. 3	-0		100.0	•

TABLE 5

TABLE 6

,	PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS) By Wind Direction Hean												CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 6	TOTAL OBS	CDVER CDVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 79 <b>7</b> 9	8000+	NH <5/8 ANY HGT	
N	.0	.0	2.1	.0		4.5	٥.	• • •	6.	.0	.0	.0	۰.	•0	.0	.0	2.1	
NE	.0	.0	1.0	1.0		4.5	•0	•0	.0	.0	Ö	.0	1.0	•0	.0	.0	1.0	
£	2.9	1.0	1.0	1.0		4.4	•0	.0	.0	•0	1.8	1.0	.0	•0	.0		3.9	
ŠE	1.6	4.2	5.7	•0		4.5	•0	• • •	. 0	.0	:.3	•0		•0	• • •	.,	10.2	
Š	4.9	4.2	3.9	1.0		3.7	•0	•0	.0	.0	1.0	•0	.0	•0	•0		13.0	
ŠW	1.0	1.3	10.9			5.2	•0	·ŏ	1.0	1.0	1.3	•0	ŏ	.0	•0	.0	10.7	
¥	3.1	2.9	9.1	3.1		9.2	.0	•0	۵		3.9	1.0		.0		•0	12.5	
N×	1.3	5.2	9.1	9.4		6.2		•0		2.3	6.3	5.2		1.0	.0		10.2	
							-									•0		
VAR	.0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0	.0	•0	•0	•0	•0	
CALM	1.0	1.0	4.2	•0		4,8	•0	•0	•0	•0	.0	•0	• • • •	•0	•0	•0	6.3	
TOT DES	16	19	46	15	76	5.1	0	•	1	4	15	7	1	1	•	0	67	96
TOT PCT	16.7	19.8	47.9	15.6	100.0		•0	•0	1.0	4.2	15.6	7.3	1.0	1.0	•0	•0	69.8	100.0

TAPLE 7

CUMULATIVE PCT FREQ OF SIMULTAMEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND YSBY (NH)

				VSBY (NE	1)			
CEILING	• CR	- DR	• OR	• OR	■ DR	• CR	- DR	• OR
(FEET)	>10	>5	>2	>2	>1/2	>1/4	>50YD	>0
• DR >4500	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
• OR >3500	2.0	2.0	2.0	2.0	2.0	5.0	2.0	2.0
# DR >2000	7.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >1000	18.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
■ OR >600	20.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3
• DR >300	21.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3
<ul> <li>DR &gt;150</li> </ul>	21.2	29.3	29.3	29.3	29.3	29.3	27.3	29.3
= DR > 0	21.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3
TOTAL	21	29	29	29	29	29	29	29

TOTAL NUMBER OF DBS: 99

PCT FREQ NH <5/81 70.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD TOTAL 0.0 14.2 19.8 18.9 17.9 10.4 5.6 4.7 7.5 .0 106

e.ss diet eitt fist fiet eie eit eis 0-3 4-10 11-21 52+ 101 \$ 0. 0. 1.0 5.1 0. 5.1 +01 7. 2.5 5.5 4.4 0-5 4-10 11-21 52+ 101 \$ 6.4 6.4 6.4 0.00 7. 0. 7. 0000 *** 0. 7. 0. 0-3 4-10 11-21 554 101 o. c. c. 0.00 0.00 6-0 4-10 11-21 525 \$ 101 00000 00000 0.00 o. o. o. o. o. o. o. o. 0.00 00000 o. o. o. o. o. o. 0.00 ٥٠ 6-0 15-11 01-0 15-11 +55 101 o. o. o. o. o. 0.00 00000 0. 0. 0. 0000 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 \$ 250 0.00 0.000 2/1> (HR) ABSA 35 MS

PERCENT FREG OF MIND DIRECTION VS WIND SPEED

4 336AT

2.1 1.7 7.2 15.7 12.6 16.7 16.9 22.1 0.0 12.0 0. 1.5 0. 7.1 o. n. 0°5 2.5 2.9 o. o. 01>6 6. E. o. o. 900 NO PCP # TOT £>\$ o. o. o. 0. o. o. o. o. o. o. o. o. o. 434 PCP # 101 **2>**1 o. o. o. o. o. o. o. o. 101 ¢ 101 ¢ 1>2/1 o. o. o. o. o. o. 929 NN 9CP # 10T 2/1> 134 MAV

PERCENT FREG OF MIND DIRECTICM VS OCCURRENCE OR HON-OCCURRENCE OF PERCENTIVE VALUES OF VISIBILITY

AREA 0002 CHRISTMAS ISLAND

6091-6081 (Y44M1AQ) 1001A34 6091-6881 (JJA-R3VO.

YAGUAGAS

18 2

FEBRUARY

PEPIDD:	(PRIMARY)	1865-1969
	(OVER-ALL)	1854-1969

TABLE 10

AREA 0002 CHRISTMAS ISLAND 10.15 105.3E

PERCENT	FREQUENCY			>4/83	AN
			. /5/6 .		

HOUR (SMT)	000 14°	150 299							6500 7999		TOTAL	NH CS/B ANY HGT	
€0300	.0	•0	2.0	3.0	18.2	3.0	•0	.0	.0	•0	27.3	72.7	33
96340	.0	.0	.0	5.3	15.6	10.5	2.6	.0	.0	•0	34.2	65.8	38
12615	.0	.0	.0	4.5	13.6	9.1	.0	.0	.0	.0	27.3	72.7	22
1823	٠.	.0	.0	•0	.0	•0	.0	9.1	•0	•0	9.1	90.9	11
TOT	9	0	1.0	3.4	15	7	1.0	1.0	.0	0	29	75 72 - 1	104

TABLE 11

TABLE 12

		PERCENT	FREGUEN	CY YSBY	(NH)	SY HEUR		ÇU≀ JLAT					VSRY (NA) RUCH YB.(1)	
HOUR (GMT)	<b>C</b> 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CSS	HOIJR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL GBS
00603	.0	٠.	•0	.0	9.3	90.7	43	00503	•0	3.1	6,3	21.9	71.9	32
90300	.0	.0	.0	4.3	12.8	83.0	47	90300	.0	٠.	5.6	30.6	63.9	34
12615	.0	.0	.c	.0	10.7	69.3	28	12615	.0	•0	4,8	23.8	71.4	21
18221	•0	.0	.5	.0	.0	100.0	22	16221	•0	•0	.0	10.0	٥.٥٠	10
TOT	.0	.0	0	2 1.4	9.3	125	140 100.0	TOT PCT	0	1.0	5 5.1	24 24.2	70 70-7	99 100.0

TAPLE 13

	PERC	ENT FR	EONENC.	Y DF &'	FLATIV	E MUMI	DITY B'	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT FREQ
90/74	.0	.0	.0	•0	1.0	.0	1.0	.0	2	2.1
85/89	.0	.0	.0	•0	7.3	4.2	1.0	.0	12	12.5
80/84	.0	.0	.0	•0	5.2	32.3	29.2	8.3	72	75.0
75/79	.0	.0	•0	.0	•0	3.1	4.2	3.1	10	10.4
TOTAL	0	2	٥	0	13	38	34	11	95	100.0
PCT	.0	•0	•0	•0	13.5	39.6	35.4	11.5		

TABLE 15

TABLE 16

2.1 1.0 7.6 13.8 9.9 16.7 19.5 23.2

	nganay		ta Anu	PERCEN	1116-2	UP 121	15 105	U 77 8	T HOUR
HOUR (GMT)	MAX	998	95%	50%	St	14	HIN	HEAN	TOTAL DBS
E0300	90	89	87	82	79	78	78	82.Z	60
90340	94	91	89	83	79	75	75	43.0	117
12615	89	88	85	42	80	76	76	82.2	50
18521	87	86	85	61	79	78	78	81.3	64
TOT	94	90	4.6	82	79	77	75	82.6	271

HQUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL 083 000203 .0 .0 3-1 40-6 50-0 6.3 80 32 0609 .0 .0 27-8 38-9 13-9 13-4 78 36 14615 .0 .0 4-8 57-1 28-6 9.5 78 21 1822 72-7 .0 82 11 TOT 0 0 13 41 35 11 79 100

PAGE 090

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1=2 3=4 5=6 7 8=9 10=11 12 13=16 17=19 23=25 26=32 41=48 49=40 41=70 71=86 47=40 71=86 •••7 1-3 22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 28-25 28-25 28-25 28-25 28-25 28-25 28-27 71-88 49-80 61-70 71-88 1-3 1-3 

C

**(**`

TABLE 18

PERIOD: (DVER-ALL) 1963-1969

PERIOD: (PRIMARY) 1865-1969 (OVER-ALL) 1356-1969

3.5 5.3 .9 6.1 11.4 21.1 20.2 7.0 7.9 10.5 4.4 1.8 5 4 3 2 1 0 -1 -2 -3 -4 -5 -0 -7/-E 1 0 1 7 13 25 24 8 9 12 5 2 PÇT

FFBRUARY

TABLE 17

AIR-SEA THP DIF

TOT 89 92 FOS FUG

AREA COOR CHRISTMAS ISLAND 10.15 105.3F

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE DECURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

( )

 $\cdot$ 

				-4-				FEBRUARY				A 11 E A	0003	Cubictu	AS ISLAND
PERIOD:	COAF	R-4667	1703-1	404				TABLE 18 CONT	•			-		15 105	
				PC	T FREC (	F WIND	SPEED	(KTS) AND DIPE	CTION V	reasus s	EA HETO	HTS (FT	)		
				s							Sw				
HGT	1-3	4-10	11-21	22-33	34-47	484	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	•0	.0	1.0	0	0	.0	••	.0	1.8	
1-2	•0	5.0	.0	•0	.0	٠,٥	.5.0	.3	15.5	1.8	•0	•0	.0	17.3 5.5	
3-4 5-6	.0	7.3	5.5	.0	.e	•0	12.7	.0	1.0	•••	.0	.0	:0	•••	
7	.0		3.6	.6		.0	3.6	ö	.5	.0	.0	.0	.0	.0	
8-9	ĕ	:ŏ	,,,		.ŏ	.0		č	.0			.0	.0		
10-11	.č		. 0	.0	.ŏ	•0	.c	.0	.0	.0		.0	.0	.0	
12	.0	.0	.0	.0	, ō	•0	.0	.0	.0	•0	.0	.0	.0	.0	
13-16	.0	.0	•0	.0	, à	.0	.0	.0	.0	.0	•0	.0	.0	•0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	
_3-25	.0	.0	•0	.0		•0	.0		•0	.0	.0	•0	۰,	.0	
26-32	٠0	.0	.0	٠.	.0	•0	•0		•0	.0	.0	•0	.0	•0	
33-40	•0	٠.	•0	•0	٠.	•0	.0	•0	•0	.0	٠.	• 3	•0	.0	
+1-48	.0	.0	•0	•0	.0	•0	.0		•0	.0	.0	•0	.0	•0	
49-60	•0	٠.	•0	•0	•0	.0	٠.		.0	•0	.0	•0	.0	••	
61-70	٠.0	.0	•0	.0	.0	•0	.0		.0	.0	•0	•0	.0	.0	
71-86	٥.	.0	•0	•0	.0	•0	•0		.0	.0	•0	•0	.0	.0	
87+ TOT PCT		12.3	9•1	•0	.0	.0	21.4		17.3	5.5	.0	•0	.0	24.5	
101 761		12.3	441	••	••	• • •		1.0	••••	,.,	••	••	••	.,,,	
				_							48				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	٠.	•0	-0	.0	•0	.0	1.8	•0	•0	.0	.0	.0	1.8	
1-2	.0	5.5	.0	.0	.0	.0	5.5		2.7	1.5	.0	•0	.0	4.5	
3-4	.0	1.0	.0	.0	۰.	-0	1.8		1.8	.0	٠0	•0	.0	1.8	
5-6	.0	.0	.0	•0	νO	•0	.0		•0	3.6	•0	•0	.0	3.6	
7_	•0	.0	•0	•0	٠.	.0	.0		.0	3.6	•0	•0	•0	3.6	
8-9	•0	.0	•¢	.3	•0	•0	.0		• 0	•0	•0	•¢	٠.	•0	
10-11	.c	.0	•0	•0	.0	•0	•0		.0 .C	.0	•0	•0	.0	•0	
12 13-16	.0	.0	•0	•0	). 0.	•0	•0		.0	•0	•0	•0	.0	•0	
17-19	.c	.0	•0	.3	.: 3.	3.	.0			.0	.0	.0		.0	
20-22	.ŏ	·	•0	.0	.6	.0	.0		ŏ	•0	.0	•0	.0	.0	
23-25	.0	.6		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
26-32	ě	.,	.0		ě	.0			ŏ		.0	.0		ě	
33-40	.0	.0	.0	•0	.0	.0			.0	.0		•0	.0	.0	
41-48			•0		ŏ	•0			.0	•0	.0	•0	.0	.0	
49-60	.0	.0	•0	.0	.0	•0	.0		.0		.0	•0	.0	.0	
61-70	. a	.0	•0	.0	. 4	.0	.0		.0	.0	.0	.0	.0	.0	
71-66	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	
87+	٥,	٠.	• 2	.0	.0	-0	.0		•0		.0	•0	.0	•0	
TOT PCT	.0	7.3	.0	.0	.0	.0	7.3	1.0	4.5	9.1	.0	•0	.0	15.5	94.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.7	3.6	.0	.0	.0	.0	16.4	
1-2	.0	32.7	5.5	.0	.0	.0	38.2	
3-4	.0	16.4	9.1	.0	.0	.0	25.5	
5-6	.0	5.5	3.6	.0	.0	.0	9.1	
7	.0	1.8	7.3	.0	.0	.0	9.1	
8-9	.0	.0	.0	.0	.0	.0	.ŏ	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	•0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	1.8	.0	.0	.0	.0	1.8	
20-22	.0	.0	.0	.õ	.0	.0		
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	•0	.0		.0	.0	
49-60	.0		.0	ŏ			.0	
61-70	•0	.0	.0	.0			, ŏ	
71-86	.0	•0	•0	.0			.0	
87+	.0	.0	.0	.0		.0	.ŏ	
•••	•••	•••	•••			• • •	• • •	55
TCT PCT	12.7	61.8	25.5	•0	•0	.0	100.0	,,,

PERIOD	: (OV	ER-ALL	) 194	9-1969	,				TABLE	19											
					PERCENT	FRE	OUENCY	OF WA	VE HEI	GHT (F1	r) VS 1	WAVE P	ERIOD	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-40	61-70	71-86	87+	TOTAL	MEAN HGT
<6 6=7	1.1	11.2	7.9	2.2	.0 10.1	1.1	.0 1.1	.0	•0	.0	:0	•0	.0		•0	:0	.0	.0	.0	21 36	3
8-9 10-11	•0	1.1	4.5	2.2	12.4	2.2	.0	.0	•0	1.1	0	•0	.0		.0	.0	.0	.0	.0	20	6
12-13 >13	•0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	ō	•0	.0	.0	.0	.0	.0	.0	.0	2	
INDET TOTAL	3.4	.0	.0	.0	2.2		1.1	.0	.0	٠,	i		ě		.c	.o	.0	ě	.0	87	4
PCT	4.5	12.4	27.0	18.0	24.7	9.0	3.4	.ŏ	.ö	1.i	:0	· .ŏ	.0		.ŏ	٠.٥	.ŏ	.ŏ		100.0	_

HAPCH

PERIOD: (FRIMARY) 1862-1969 (UVER-ALL) 1855-1969

TABLE 1

AREA 0002 CHRISTMAS ISLAND 10-05 104-9E

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPS	TATIO	H TYPE					DTHER	WEATHER	PHEND	MENA	
MND DIG	RAIN	PAIN Shur	DAZL	FRZG PCPN	SMON	OTHER FRZM PCPM	HAIL	PCPN AT OB TIME	PCPH PAST HQUR	THOR	₹0G W0 PCPN	FOG WU PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNO	
N	.0	13.3	.0	.0	.0	.0	.0	13.3	13,3	.0	.0	.0	.0	.0	73.3
NE	40.0	.0	.0	.0	.0	.0	.0	40.0	•0	.0	•0	.0	.0	•0	60.0
E	.0	3.2	4.3	.0	.0	٠.	.0	7.5	.0	3.2	.0	.0	.0	.0	87,2
ŠE	.0	.6	2.2	.0	.0	.0	.0	2-8	6.7	2.5	.0	.0	.0	.0	87,8
Ś	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	•0	100.0
Šv	8.5	.0	.0	.0	.0	.0	.c	8.5	8.5	.0	.0	.0	•0	.0	83.0
₩.	.0	7.1	.0	.0	•0	.0	.c	7.1	5.4	.0	•0	.0	•0	• • • •	87,5
Ñ¥	.ŏ	17.4	.0	.0	•0		.0	17.4	1.4	.0	.0	.0	•0	•0	81.2
YAP	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	• 0	.0	•0	• • • • •	.0
CALM	.0	20.0	.0	.0	.0	.0	.c	20.0	.0	.0	•0	.0	•0	.0	80.0
TOT PCT TOT CBS:	1.4	5.1	1.4	.0	•0	.0	.0	8.0	4,3	1.4	•0	•0	•0	•0	86.2

TABLE 2

BCBFENT	EREAMBLEV	25	CAUTABL	<b>ACCURRENCE</b>	AV MAIIS

			•	RECIPI	TATIO	N TYPE					DTHEA	VEATHER	PHEND	MENA	
HOUA (GKT)	RATH	RAIN	ORZL	FRZG PCPN	SNOW	OTHER PRZN PCPN	HAIL	PCPR AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG VO PCPN	FOG WO PCPH PAST HR	SMOKE HAZE		NO SIG WEA
00603 04609 12615 18621	3.1 .0 2.6	.0 5.3 5.3	3.1 .0 2.6	.0	•0	.0	.0 .0	6.3 5.3 10.5	3.1 7.9 .0 5.7	2.6	.0 .0	•0	•0		90.6 84.2 86.8 85.7
TOT PCT TOT CBS:	1.4	4.9	1.4	•0	•0	•0	•0	7.7	4.2	1.4	.0	•0	•0	۵.	86.7

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33 CKND		48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HOUR OF	(G#T) 12	15	18	21
N ME E E SE S S S M M M VAR CALM TOT UBS	1.4 .2 1.5 1.1 1.7 2.1 1.2 1.9 .0 4.8	3.0 3.7 9.7 11.2 7.1 4.1 5.7 6.4 .0	1.5 .9 6.4 5.4 2.0 .8 5.3 5.4	.2 .0 .9 .7 .0 .9 1.0	.0	000000000000000000000000000000000000000	<b>6</b> 29	6.0 4.8 20.5 18.4 10.9 6.9 12.6 15.1 -0 4.8	8.5 8.6 10.5 9.9 7.9 5.8 10.3 11.3	5.7 4.7 19.5 22.7 9.6 5.5 10.7 14.3 .0 7.3		7,9 5.4 23.5 17.7 8.8 5.6 9.9 14.7 .0 6.5	7.8 2.3 19.1 16.0 14.1 7.8 12.5 17.2 .0	5.8 3.1 13.3 16.8 15.7 8.6 16.4 37.7 .0 2.7	\$3 25.0 60.7 .0 .0 .0 .0 .0 .0	90	4.4 9.5 22.2 19.6 10.8 8.9 11.4 8.2 .0 5.1

### TABLE SA

						• • • • • • • • • • • • • • • • • • • •						
WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL DBS	PCT PREQ	MEAN SPD	00 03	HDUA 06 09	(GMT) 12 15	18 21
N NE E S S S W NW VAR CALM TOT OBS	2.9 1.7 6.4 6.0 4.8 4.6 3.9 4.8	2.3 2.7 10.5 9.5 5.0 2.2 6.7 7.3	.8 3.6 2.9 1.0 .1 2.0 2.5	.0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .0	.0	429	6.0 4.8 20.5 18.4 10.9 6.9 12.6 15.1	8.5 8.6 10.5 9.9 7.9 5.8 10.3 11.3	5.7 4.7 19.5 22.7 9.6 5.5 10.7 14.3	7.9 4.6 22.4 17.2 10.2 6.1 10.3 3.3	5.0 3.2 13.6 18.1 15.3 6.4 15.9 17.2	3.8 0.1 22.9 18.0 9.5 7.7 14.5 13.9
TOT PCT	37.9	46.1	13,4	. 3	.;	•••	100.0	***		100.0		

PAGE 092

-			

100.0

PENIOD: (PRIMARY) 1802-1969 (OVER-ALL) 1855-1969 AREA 0002 CHRISTMAS ISLAND TABLE 4 PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT) #IND SPEEU (KNOTS) 4-10 11-21 22-33 34-47 48+ MEAN FREQ HOUR CALM 57.3 48.0 49.1 52.7 320 50.9 1.0 .8 .0 .0 .3 8.9 100.0 9.5 100.0 9.4 100.0 8.7 100.0 9.2 24.0 31.0 32.8 28.4 186 29.6 2.1 3.6 3.4 3.6 21 3.3 .0.000

TARLE 5 TABLE 6 PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS)

BY WIND DIRECTION PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.NH >4/8) AND OCCURRENCE OF NH <5/8 BY MIND DIRECTION HEAN CLOUD COVER 5-7 8 6 11 T41 DBS 900 1000 2000 3500 5000 6500 8000 NH 45/8 TOTAL 990 1990 3499 4000 6400 7000 ANY MGT QBS WNS DIR 0-2 .9 2.4 .4 .0 5.8 6.9 11.6 12.3 8.0 .6 2.8 3.7 .0 8.0 1.7 4.1 .7 .0 .9 .0 35 44 30.2 37.9 M NE E SE S W W NW VAR CALM TOT DBS 1.7 .9 1.5 4.5 .0 .0 2.6 2.6 .0 1.7 18 1.7 .0 .9 5.2 .0 .2 1.5 .9 .0 .0 .0 .0 .0 .0 .9 5.0 2.2 2.2 1.9 1.7 .0 1.7 6.3 4.4 4.3 5.2 3.3 4.2 5.4 4.7 000000000000 0000000000000 0000000000000 .0 .9 .9 1.7 .0 .0 2.6 .9 .9 1.5 .0 3.2 2.8 .0 .9 1.7 1.9 .0 .9 15 000000000000 ...... . . . . . . . . . . . . . . . . . . . 0000000000000 1.7 1.3 14.2 20.9 8.8 7.3 5.6 5.6 .0 2.6 79

TABLE ? CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND YSBY (NH)

				VSBY ENN	)			
CEILING	• DR	• CR	<ul> <li>OR</li> </ul>	ቀ ቦቪ	e 32	- DR	- UR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	.0	.0	.0	.0	.0	.0	۰0	.0
<ul><li>DR &gt;5000</li></ul>			.8					
<ul><li>DQ &gt;3500</li></ul>	.8	-8	. 8		.8			. 8
■ DK >2000	9.1	19.7	10.7	10.7	10.7	10.7	10.7	10.7
# OR >1000	19.0	23.1	24.0	24.0	24.0	24.0	24.0	24.0
# LR >600	24.8	30.6	31.4	31.4	31.4	31,4	31.4	31.4
e DK >300	24.0	30-6	31.4	31.4	31.4	31.4	31.4	31.4
■ DR >150	24.8	30.6	31.4	31.4	31.4	31.4	31.4	31.4
• DR > 0	24.0	30.6	31.4	31.4	31.4	31.4	31.4	31.4
TOTAL	30	37	38	38	38	38	38	36

TOTAL NUMBER OF DBS: 121 PCT FREQ HH <5/8:

TABLE 76

PERCENTAGE FREE OF LOW CLOUDS (EIGHTHS)

9.7 16.1 26.6 13.7 4.8 13.7 4.5

MARCH

PERIOD: (PRIMARY) (OVER-ALL)							٠,	9LF 8				<b>ARE</b>	A DONZ CHRISTHAS ISLAND
		P	FRCENT		F wir Tatiel								E OF
VSBY (44)		٨	NE	£	SE	s	Sw	<b>¥</b>	NW	VAR	(AL4	*67	TOTAL DBS
<1/2	PCP 40 PCP TOT \$	.c .c	000	.0	.0	•0	.0	.0	.0	•0	•0	 .0	•••
1/2<	PCP ND PCP	.:	٠,	•0		•0	• • • • • • • • • • • • • • • • • • • •	.0	•0	.0		.0	
	TOT 15 PCP	••	٥.	.0	•0	••	•0	.0	•0	.0	•0	:°	
1<2	NO PCP TOT %	.0	.n .n	.0	.0	•0	•0	•0	•0 •0	.0	•0	.0	
2<5	909 704 CM 707 %	o. o.	.0 .0	.0 .7 .7	.0	•0	•0	.0 .0	.0 .0	.0	•7 •0 •7	.7 7 1.5	
5<10	PCP NO PCP TOT %	.7 1.5 2.?	.0 .0	.0 .0	.7 4.4 5.1	•0 •7 •7	•0 •7 •7	.7 1.5 2.2	2.2 1.5 3.6	.0 .0	•0	4.4 10.2 14.6	
10+	PCP NO PCP	.c	1:1	1.3	27.6	7.8	7.1	.0	8.9	.0	2.9		

TABLE 9

				PEPCEN					VS WI		ED		
VSRY (MM)	SPD	N	٩E	E	SE	5	Sw	•	NW	YAR	CALM	PCT	TOTAL DBS
	0-3	٠.	.0	.0	.0	.0	.0	. ၁	. 2	.0	.0	.0	•••
<b>41/2</b>	4-10	.0	· e	.0	.0	.0	.0	.0	. 0	.0	•	, ŏ	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.õ			
	22+	.0	•0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT \$	•6	.0	• 0	•0	.0	.0	. 3	.0	.0	.0	.0	
	0-3	.0	.0	•0	.0	• 0	.0	.0	.3	.0	.5	.0	
1/2<1		.0	•0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	٠.	•0	.0	•0	• G	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	.0	.0	.0	٠.	.0		.0	
	TOT \$	.0	•0	•0	•0	•0	.0	.0	.0	.0	.0	•0	
	0-3	.0	.0	•0	•0	•0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	11-21	.0	•0	.0	•0	•0	.0	.0	٠.	.0		.0	
	22+	•0	•0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	.0	•0	•0	•0	.0	.0	•0	.0	.0	.0	
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	.6		
2<5	4-10	.0	.0	. 6	•0	.0	.0	.0	.0	.0		. 6	
	11-21	.0	.0	•0	•0	.0	٠.	.0	•0	٠,		.0	
	224	.c	•0	۰٥	•0	•0	.0	.0	.0	٠.		.0	
	TOT \$	.0	.0	.6	•0	•0	.0	.0	.0	.0	.6	1.2	
	0-3	.0	•0	•0	.0	.c	.6	.0	.6	.0	.0	1.2	
5<10		1.2	.0	•0	3.6	.0	. 6	6		.0		7.1	
	11-21	.6	•0	•0	.6	•0	.0	1.2	1.2	٠.		3.6	
	22+	0	.0	•0	. 40	•0	.0	?		•0		6	
	10T \$	1.8	.0	•0	4.2	. •	1.2	1.8	3.0	.0	•0	12.5	
	0-3	.6	.0	1.0	. 9	.4	1.2	1.2	1.2	.0	4.8	11.3	
10+	4-10		1.5	11.0	19.5	6.1	4.5	4.0	5.1	.0		52.4	
	11-21	1.6	•0	4.8	5,4	•7	.1	7.0	2.5	٠,		22.6	
	22+	.0	0	0	0	0	.0	0	.0	•0		0	
	TOT \$	2.7	1.5	16.8	26.5	7.3	5.4	12.2	8.9	.0	4.8	44,3	
	TOT DES									_	_		168
	TOT PCT	4.5	1.5	17.4	30.7	7.9	7.0	14.0	11.0	•0	5.4	100.0	

PARE 094

C

C

(Y

**449CH** 

PERIOD: (PRIMARY) 1862-1969 (CVEP-4LL) 1855-1969

TABLE 10

44EA 0002 CHRISTHAS ISLAND 10.05 104.9E

ERCENT	FREQUENCY	OF C	FILING	HEIGHTS	(FEET, NH	34/61	AN
	0000	BENE			7 40011		

HBUR (GMT)	000 149	150 259	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANV HGT	TOTAL DBS
60300	٠.	.0	.0	6.7	16.7	13.3	.0	.0	.0	•0	36.7	63.3	30
€0380	•9	.0	.0	6.1	15.2	9.1	.0	.0	.0	•0	30.3	59.7	33
12615	.0	.0	.0	0.9	10.3	10.3	.0	.0	.0	.0	27.6	72.4	29
18621	.0	.0	.0	9.7	<b>9.</b> 7	6.5	.0	3.2	.0	•0	29.0	71.0	31
TST PCT	.0	.0	.0	7.3	16 13.0	9.8	.0		.0	•0	38 30.9	<b>69.</b> 1	123

TABLE 11

TABLE 12

PERCENT FREQUENCY VSBY (NM) BY HOUR								CUMULAT					CHP) YBZY RUCH YBLE	
MOUR (GMT)	<b>&lt;</b> 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GPT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	.c	.0	.0	100.0	38	£0300	.c	.5	6.9	31.0	62.1	29
60900	.0	. ა	.0	.c	e.2	91.6	49	<b>9</b> 0360	•c	•0	6.3	25.0	48.4	32
12015	.0	.0	.0	2.6	23.1	74.4	39	12615	.0	.0	10.3	17.2	72.4	29
18231	.5	.5	.c	2.1	17.0	80.9	47	18621	.c	•0	12.9	19.4	67.7	31
TOT	9	9		2	21	150	173 100-0	101 PCT	0	0	11	28 23.1	82 A7. A	121

TARLE 13

TABLE 14

	PERC	ENT FRE	EOUENC	7 UF R	ELATIV	E HUM18	DITY BY	TEMP	70TAL	PCT		PERC	ENT FA	EQUESO	Y 0F W	I4D DI	RECTIO	N BY T	EMP	
TEMP P	0-29	30-39	40-49	50-59	60-69	70-79	80-89	9C-1CO		FREQ	N	HE	E	SE	S	54	¥	48	VAR	CALM
90/94 85/89	.0		.0	•0		.0	2.9	•0	1	1.0	.0	٥.	.0	2.9	1.0	2.0	2.0	1.5	.0	.0
80/84 75/79	.0	.0	.0	•0	5.9	29.4	32.4	3.9	74	77.5	2.2	1.2	13.5		7.8	1.0	7.1	13.0	.0	2.0
PCT	.0	•	.0	.0		39.2	39 38.2	14	102	100.0	2.7	1.2	18.6	32.4	10.3	7.4	10.0	15.4	.0	2.0

TABLE 15

TABLE 16

	TABLE 13													LVAFE	10			
	MEANS,	EXTREM	ES AND	PERCE	NTILES	QP TE	49 (0)	G F) 1	/ HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGINU	84 HD08	t.
HOUR (GHT)	MAX	***	95%	50%	51	14	HIN	HEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	40-69	70-79	80-89	90-100	MEAN	TOTAL DOS
E0300	88 94	87 93	86	82 84	79 79	78 78	78 78	\$2.4 \$4.2	94 240	00£03	.0	•0	12.5	25.0 48.3	45.8	16.7	80 76	24
12615	90 87	**	87 85	83 82	79 79	76 77	76 75	\$2.6 \$1.7	114 162	12615 18621	.0	.0	3.8	42.3	33.3	7.7	#1 #3	20
TOT	74	6.9	87	83	79	78	75	\$2.9	61C	TGT	C	ō	10	41	41	14	80	106

MARCH

PERIOD: (PRIMARY) 1862-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0002 CHRISTMAS ISLAND 10.05 104.9E

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE DICCURRENCE OF FOD (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	77 80	81 84	85 88	89 92	TOT	FOG	¥0 FDG
5	.0	. 8		. 8	3	.0	2.5
4	٠.	.0	2.5	.0	3	.0	2.5
3	.0	.0		.0	1	.0	. 8
3 2		3.4	5.1	.0	10	.0	8.5
ī		9.3		.0	12	.0	10.2
ů	1.7	13.6	1.7	ě	20		16.9
-1	1.7	17.6	2.5	•0	26	.0	22.0
-2	2.5	6.8	.0	•0	11	-0	۶.3
-3	5.9	9.3	.0	.0	18	•0	15.3
-4		4.2	.0	•0	6	-0	5.1
-5		1.7	.0	.0	3	.0	2.5
-6	1.7		.0	.0	2		1.7
-7/-8	1.7	.0	. 5	.0	ž	.0	1.7
-9/-10		.0	٠.	.0	1	٠.	.8
TOTAL	21		17			0	118
		79			119		
PCT	17.6	40.9	14.4		100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

				PC	T FREG C	F WIND	SPEED	(KTS) AND DIRE	TION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	<b>18</b> +	PET	1-3	4=1n	11-21	NE 27-33	36-67	48+	PCT
<1	•0	.0	٠,٠	•0	.0	•0	.0	• 2	Ü	.0	•0	•0	.0	.0
1-2	.0	.ŏ	.0	. 6	io	.5	.0	.0		.0	.0	•0	.ō	.5
3-4	.0	, õ	.0	.0	.0	.5	.0	٥	2.0	.0	.0	•0	.0	2.0
5-6	.0	.ō	1.5	.0	.0	.0	1.5	ò	.0	.0	.0	•0	.õ	.0
7	.0	.ŏ	0.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	. 0	.0	.0	.0	.n	•0	.0	.0	.0	.0	.0	•0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	, n	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	•0	.c	·c	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.c	.0	.0	•0	·u	.o	•0
23-25	.0	.0	•0	.0	.0	•0	.0	.5	.0	.0	•0	•0	.0	.0
26-32	. 0	.0	•0	.0	.0	.c	•c	.0	.0	.0	•0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0
41-48	. 0	.0	.0	.č	.0	·č	.0	.0	.c	.0	.0	•0	.ŏ	.0
49-60	.0	.0	•C	.0	.0	.0	.0	. 5	.0	.0	.0	•0	.ŏ	.0
61-70	.0	.0	.0		.0	.0	.0	ō	.0	.0	•0	•0	.0	.0
71-86	.0	.õ	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	·ò	.0
87+	.0	.0	.0	.0			.0	ŏ	.0	.0	.0	•0	.0	•0
TOT PCT	.0	.0	1.5	.0		.0	1,5	.0	2.5	.0	•0	•0	.0	2.5
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	•0	.0	.0	•0	.0	.0	10.0	.0	.0	•0	.0	10.0
1-2	.0	5.5	.0	.0	.0	.0	5.5	.0	0,5	.0	.0	.0	.ŏ	1.5
3-4	.0	7.5	2.0	.0	.0	•0	9.5	'n	5.0	4,0		•0	.0	9.0
5-6	.0	.0	1.5	.0	.0	•0	1.5	٥	.0	2.5	•0	•0	.õ	2.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
1-7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
10-11	.0	.0	•0	.0	.0	•0	.0	.0	.0	.0	•0	•0	.0	.0
12	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	•0	.0	.0	:0	.0	.0	•0	.0	•0
17-19	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	•0	•0	.0	.0
20-22	.0	.0	•0	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0
23~25	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0
26-22	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0
33-40	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0	•0
41-48	.0	.0	•0	.0	.0	.0	, 0	.0	.0	, ö	.0	•0	.0	.0
49-60	.0	.0	•0	.0	.0	•0	.0	.0	.0	.0	.0	•0	.ŏ	.0
41-70	.0	.0	•0	.0	.0	.0	.0	.0	.0	10	.0	.0	.0	.0
71-86	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0
87+	. 0	.0	•0	.0	.0	.0	.0	i	.0	ō		.0	.0	.0
TOT PCT	.0	13.0	3.5	.0	.0	.0	14.5	.0	23.5	6.5	.0	.0	.0	30.0

PAGE 096

€,

•

PERIODI	• (Aue		1943-1	<b>9</b> Aq					PARCH				4884	0002	Cua : 576	AS ISLAND
PEKTOP			1703-1	707				TABLE	18 (CON	r 3					05 104	
				PC	T FRED S	F #1N0	SPEED	(KTS)	AND DIR	ection 1	VERSUS S	EA HFIC	HTS (FT)			
_				5								Sw				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4010	11-21	22-33	34-47	48+	PCT	
<1 1=2	٠.	.0 3.5	•0	.0	.0	•C	.c 3.5		2.0	4.0	•0	•0	•0	•0	2.0	
3-4	.c	3.0	.0	٥.	.0	.6	3.5		.0	7.3	.0	•0	•0	.0	.5	
5-0	.š	3.0	.0		.0	.0	•0		.0		ĕ	.0	•0	:ŏ	.0	
7	.0		.0		.0	.0	.0		.0	.0			•0			
8-9	.0	.0	.0	.0	.0	•0	•0		ěŏ	.0			•0		.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.5	.0	.0	. C	.0	,c	
12	. 0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	•0	.0	.c	.0	.0		.0	.0	.0	.0	• 0	.0	.0	
17-19	.0	.0	.0	•0	.0	•0	•0		.0	.0	.0	•0	•0	.0	•0	
20-22	.0	٠.	•0	.0	.0	•0	•C		•0	• 0	.0	.0	.0	. ၁	.0	
22-25	•0	.0	•C	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
26-32	٠,	.0	•c	-0	.0	•C	٠.		• 6	.0	.c	.0	•0	•0	•0	
33-40	. 0	•0	•0	.0	.0	•0	•0		•0	٠.	•0	-0	•0	•0	.0	
41-48	•0	.0	•0	• ?	.0	•0	• • • •		•0	•0	.0	•0	•0	.0	.0	
49-60	•0	.0	•0	.0	.0	.0	•0		•0	•0	.0	•0	•0	.0	.0	
61-70 71-86	.0	٠,	•0	•0	.0	•0	•0		•0	:0	.0	•0	•0	٠,٥	.0	
87+	.0	.0	•0	.0	0.	.0	•0		.0		.0	.0	•0	.0	•0	
TOT PCT	.0	6.5	•0	.0	.0	.0	6.5		2.0	4.5	.5	3.	•0	.0	7.0	
10. 76.	••	6.5	•0	.0	••	••	0.,		2017	***	•••	••	••	••	7.0	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	₽CT
<1	.0	.0	•0	.0	.0	•0	-0		2.0	2.0	.0	•0	•0	.0	4.0	
1-2	.0	2.0	5.5	.0	.0	.0	7.5		.0	.0	.5	.0	.0	.0	.5	
3-4	•0	4.0	3.5	. ?	.0	•0	7.5		•0	• 0		.0	•0	•0	4.5	
5-6	٥.	.0	2.0	.0	.0	٠.٥	2.0		•0	•c		2.0	•0	.0	2.5	
7 8-9	•0	.0	1.5	•0	.0	•0	1.5		•0	•0		•0	•0	.0	•0	
10-11	.c	.0	•0	•0	.0	•0	•0		•0	.c		•0	•0	•0	•0	
12	.0	.0	•0	.0	.n .o	.0	.0		.c			•0	•0	.0	.0 2.0	
13-16	:6	.0	•0	•0	.0	.0	.0		.0	.0		.0	•0	.0	.0	
17-19	č	.0	.0			.0	ò		.0	č			.0	.0	.0	
20-22	.0	.ŏ	ě			.0			.0	. G		.0	č			
23-25	.0	.0	•0	.0	.0	.0	.0		.0	• 0		.0	.0	.0	.0	
26-32	. 2	.0	•0	.0		.0	.0		.0	.0		.0	•0	.0	.0	
33-40	. 5	.0	•0	.0		•0	.0		.0	.6			•0	.0	•0	
41-48	•0	.0	•0	.0	.0	.0	•0		.0	.0		•0	•0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	•0	.0	
61-70	.c	.0	•0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	•0	.0	•0	•0	•0		•0	•0		.0	•0	.0	.0	
87+	.0	.0	0	.0	.0	•0			.0	•0		-0	•0	.3	0	
TOT PCT	.c	5.0	12.5	•0	•0	•0	18.5		2.0	2.0	7.5	2.0	•0	••	13.5	96.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<b>c</b> 1	7.7	13.5	.0	.0	•0	.0	21.2	888
1-2	1.9	23.1	5.ă	.0	.0		30.0	
3-4	.c	21.2	13.5	.0	• • •	•0	34.0	
5-6	.0	.0	7.7	1.9	.0	.0	V.	
7	.0	•0	1.9	.0	.0	٠,	1.9	
8-9	.0	.0	.0	•0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	1.9	.0	.0	.0	1.9	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	•0	.0	.0	.0		.0	
20-22	.0	.0	. C	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	, ŏ	
26-32	.c	·č	.c	.0	.0	.0	.0	
33-40	.0	.0	.0	ō	.0	.0	.0	
41-4R	.0		.c	.0	.0	.0	.0	
49-00	.0	10	.0	.0	.0	.0	·õ	
61-70	.0			.0		.0		
71-86	.0	ě			.õ			
87+	•0	•0	•0	•0	•0	.0	•0	
TOT PET	9.6	57.7	30.8	1.9	•0	.0	100.0	52

PERIOD: (DVER-ALL) 1949-1969 TABLE 19 PERCENT PREQUENCY OF WAVE HEIGHT (PT) VS WAVE PERIOD (SECONDS) 87+ TOTAL

.0 29
.0 30
.0 7
.0 7
.0 5
.0 1
.0 11
.0 90
.0 100.0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT HEAN HGT 3 4 6 5 7 3 2.2 .0 .0 .0 .0 .0 .0 4.4 6 1-2 6.7 6.7 2.2 .0 .0 1.1 15 J=9 10-11 3-4 14.4 14.4 1.1 2.2 2.2 .0 3.3 34 37.8 5.6 7.8 2.2 1.1 .0 .0 2.2 17 18.9 3.3 2.3 2.2 2.2 3.3 1.1 1.1 15 .0 .0 .0 1.1 .0 .0 000000000 .0 1.1 .0 1.1 .0 .0

APRIL

PERIOD: (PRIMARY) 1862-1971 (OVER-ALL) 1855-1971

TABLE 1

AREA 0002 CHRISTHAS ISLAND 10.15 105.0E

PEDFENT	FREQUENCY	ΩF	MEATHER	JCCURRENCE	AV	# FNO	DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	HEATHER	PHENO	MENA	
RID DAW	RAIN	RAIN SHWR	DATL	FRZG PCP4	WENZ	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	POG NO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUS' BLWG SND	
4	38.9	.0	.0	٠.	٠.	٠.	.0	38.9	.0	.0	.0	.0	.0	.0	61.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	۰,٥	.0	.0	.0	•0	.0	100.0
E	.0	3.4	1.7	.0	.0	.0	.0	5.1	3.0	3.0	.0	.0	•0	•0	88.9
ŠE	7.3	2.2	.0	.0	.0	.0	• 0	9.5	. 6	. 6	.0	.0	•0	.0	89.4
Š	13.6	.0	.o	.ò	.0	.0	.0	13.6	.0	.0	.0	.0	• 0	.0	86.4
Sw	33.3	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	•0	.0	.0	66.7
ď	.0	.0	.0	.0	.0	.0	.0	•0	50.0	.0	.0	.0	.0	.0	50.0
Nu	5.6	22.2	.0		.0	.0	.c	27.8	44.4		•0	.0	•0	.0	27.0
VAR	.0	ō.	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	•0		.0
CAL	.0	.0	.0	.0	.0	.0	.c	.0	•0	-0	•0	.0	•0		100.0
TOT PCT TOT CBS:	5.1 137	2.9	.7	•0	•0	•0	•0	8.8	3.6	1.5	•0	•0	•0	•0	86.1

TABLE 2

PERCENT FRE	QUENCY	a F	WEATHER	DCCURRENCE	34	HOUR
-------------	--------	-----	---------	------------	----	------

			٥	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN SHUR	CR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPY AT OB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY ELWG OUST BLWG SNOW	ND SIG Wea
00603 06609 12615 18621	8.6 4.3 5.3	2.9 2.2 2.6 4.5	.0	.0	••	.0	.0	14.3 6.5 7.9 4.5	8.6 2.2 2.6	.0 .0 9.1	.0	.0	•0	.0 .0 .0	77.1 91.3 89.5 86.4
TOT PCT	5.0 161	2.8	.7	.0	.0	•0	.c	8.5	3.5	1.4	•0	.0	.0	•0	86.5

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		HIN	D SPE	ED (KN0	TS)								HOUR	(GHT)			
HND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	16	21
							085	FRFO	SPD								
N	1.1	1.3	.7	. 4	.1	.0		3.6	9.6	5.4	•0	6.0	.7	2.8	.0	1.7	1.3
NE	- 4	4.3	3.3	.0	.0	.0		8.0	9.9	4.3	.0	11.5	7.9	5.6	33.3	8.0	6.5
E	1.3	17.8	24.9	4.1	.1	.0		48.1	12.9	43.8	33.2	46.7	48.2	50.6	33.3	47.4	55.2
ŠE	1.0	10.2	11-2	2.9	.1	.0		25.3	13.1	35.1	33.3	19.0	26.8	26.3	33.3	26.7	24.7
Š	. 5	2.4	1.2	.5	.0	. C		4.6	10.9	2.7	• 0	3.1	5.0	6.0	.0	5.7	7.1
Š#	.5	.6	.2	•0	.0	.0		1.3	6.0	1.1	33.3	1.0	2.1	2.1	.0	. 6	.0
N.	. 4	1.0		. 5	. 2	.2		2.3	17.2	2.2	.0	3.3	1.4	1.3	.0	3.4	1.3
Ñъ	.2	1.4	. 7	1.7	.2	.3		4.3	22.1	4.3		5.3	7.9	2.8	.0	2.9	2.6
VAR	. 5		.0		.0	.0		.0		• C	.0		•0	•0	.0		0
CALM	2.5	•••	•••	•••	• • •	•••		2.5	.0	1.1	•0	4.1	•0	2.6	.0	3.4	1.3
TOT CBS	50	250	272	65	4	3	644	*	12.0	92	• 3	195	70	117	• • • • • • • • • • • • • • • • • • • •	87	* 77
TOT PCT	7.5	30.8	42.2	10.1	.6	. 5	***	100.0			100.0	100.0			100.0		100.0

### TABLE 3A

WND DIR	0+6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL GBS	PCT FRED	MEAN SPD	00 03	Hau 06 09	(GMT) 12 15	18 21
N NE E S S SW W NW VAR CALM TOT UPS TOT PCT	1.8 2.2 6.2 3.0 1.1 .8 .9 .7 .0 2.5 124	1.1 4.8 78.0 14.3 2.4 .5 1.0 .0	.3 1.0 13.1 7.8 1.1 .0 .2 .9	.3 .0 .9 .2 .0 .0 .4 1.2 .0	0000000350 58	844	3.6 8.0 48.1 23.3 4.6 1.3 2.3 4.3 2.5	9.6 9.9 12.9 13.1 10.9 6.0 17.2 22.1 .0	5.3 4.2 43.4 35.0 2.6 2.1 4.2 .0 1.1 195	4.6 10.6 47.1 21.0 3.6 1.3 2.5 5.9 3.0 2.65 100.0	2.7 6.3 50.2 26.5 5.8 2.3 2.7 2.5 100.0	1.5 7.3 51.1 25.8 0.4 .3 2.4 2.7 .0 2.6 104

PAGE 098

C = C

APPIL

PERIOD: (PRIMARY) 1862-1971 (OVER-ALL) 1855-1971

TARLE 4

AREA 0002 CHRISTMAS ISLAND 10.15 105.0E

PERCENTAGE	ERFAUENCY	CE	► IND	SPEED	RY	HOUR	CONT

				HIND	SPEED (	KNOTSI			PCT	T074.
HOUR	CALM	1-3	4-10		22-33		48+	PEAN	FREG	CBS
60300	1.1	6.3	46.3	37.9	8.4	.0	.0	11.6	100.0	95
06609	3.0	8.7	36.2	39.6	10.6	1.5	. 4	12.5	100.0	265
12615	2.5	1.7	40.0	46.7	8.3	.0	. 0	12.6	100.0	120
16621	2.4	1.8	37.8	45.7	11.5	.0	.6	13.2	100,0	164
TOT	16	34	250	272	65	4	3	12.6		644
PCT	2.5	5.3	38.8	42.2	10.1	.6	.5		100.0	

TARLE 5

TABLE A

P	PCT FRED OF THIAL CLOUD AMOUNT (EIGHTMS) BY WIND DIRECTION								PERCENTAGE F.EQUENCY OF CEILING HEIGHTS (FT,MH 34/A) AND DC: JRRENCE OF NH <5/8 BY MIND DIRECTION										
MAD DIT	0-2	1-4	4-7	8 & 0850n	LR¢ LLITE	MEA I CLOUP COVER	900 149	150 296	300 599	600 997	1000	2000 3-99	3500 4999	5000 6499	6500 7999	8000+	4H <5/8		
N		.0	1.6	1.6		7.2	•0	•0	.0	1.5	.9	.0	.7	•0	.0	.0	•0		
NE	1.8	3.2	2.1	.0		3.5		. າ	. c	.0	.0		.0	•0	.0		7.1		
E	6.3	17.9	13.5	3.9		4.5	.9	• 2	۰	.7	5.7	.0	. 9	•0	• 3		31.4		
ŠE	3.7	7.6	16.5	3.0		5.0	•0		۰	. 5	4.4	3.7	.0	•0	• 0		21.3		
S	2.3	.7	.7	1.4		4.4	.0	•0	.0	.7	.0	. 0	.0	•0	•0	. 0	4.4		
ŠW	.0	. 9	.0	. 9		5.11	-0	•0	.0	.0	. 9		.0	•0	•0	. 5	. 9		
¥	. 9	. 5	.0	. 9		4.5		. ^	. 5	.9	. 5		.0	• 5	•0	. 5	. 9		
Nie	. 9	.5		3.0		0.6	•0	.0	.0	2.1	.5	. 5	.2	•0	•0	.5	. 9		
VAR	. 0		.0	.0		• 5	• 5		. 5	.,	.5	.0	.0	.0	•0	.5	•0		
CALM	1.8	1.8	. 0	.0		3.2	•0	• 2	.0	.5	.0		.0	•0	.0	.5	4.6		
TOT DES	19	35	30	16	109	7.7	ì	ťó	' 2	7	1,	• • •	";	č		• • •	78	109	
TOT POT	17.4	32.1	35.8		100.0		. 9	•0	1.8	6.6	12.8	4.6	1.6	• 6	•0		71.6	100.0	

TARLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM 54/8) AND VSBY (NM)

				VS8Y (VH	)			
CEILING	• JR	<ul><li>38</li></ul>	• DR	<ul><li>□ 2R</li></ul>	• G4	- CR	• DR	<ul> <li>DR</li> </ul>
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
≈ DR >6590	.0	٠٥.	.0	٠.	.0	.0	.0	.0
■ DR >5000	.0	•0	.0	.0	.0	.0	•0	.0
• DR >3500	1.8	1.8	:.8	1.8	1.8	1.8	1.4	1.8
• DR >2000	6.3	6.3	6.3	6.3	0.3	5.3	6.3	6.3
• DR >1000	17.0	18.6	18.8	18.8	18.8	18.8	18.8	18.8
→ CR >600	22.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0
● DR >300	22.3	25.9	25.9	25.9	25.7	25.9	26.8	25.6
■ DR >150	22.3	25.9	25.9	25.9	25.9	25.9	26.8	26.8
• DR > 0	22.3	26.8	26.8	26.8	26.8	26.8	27.7	27.7
TOTAL	25	30	30	30	30	30	31	31

TOTAL NUMBER OF OBS: 112

PCT FRED NH <5/81 72.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C 1 2 3 4 5 6 7 8 OBSCO OBS 1.7 7.6 21.8 26.1 15.1 10.1 8.4 4.2 4.2 .8 119

APRIL

PERIOD: (PRIMARY) 1862~1 (OVER-ALL) 1855-1	AREA 0002 CHRISTHAS ISLAND 10.13 105.0E

V58Y		٨	NE	Ε	SE	5	Sr	×	NW	VAP	CALM	PCT	TOTAL
(NA)				-		_	-					-	085
	PC*	٠.	.0	.7	.0	.0	.0	.0	.0	.0	•0	.7	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	:9	
	10T %	• 0	.0	.7	.0	••	•0	•0	•0	.0	•0	.7	
	PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	•0	.0	.0	.0	•0	• 0	.0	• • •	.0	•0	.0	
	TOT %	.0	٠,	.0	.0	.0	•0	•0	•0	.0	•0	.0	
	PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	
1<5	NO PCP	•0	.0	•0	.0	•0	•0	•0	•0	.0	•0	.0	
	70T %	.c	.0	•0	٠.	•0	•5	.0	•0	.0	•0	.0	
	PCP	•0	.0	.0	.7	•0	•0	.0	.0	.0	•0	.7	
2<5	NO PCP	.0	•0	.0	.0	•0	•0	.0	•0	.0	•0	٥.	
	TOT %	.0	.0	.0	.7	•0	•0	.0	•0	.0	. 3	.7	
	PCP	.7	.0	.7	2.2	•0	.7	.0	.7	.0	•6	5.1	
5<12	NO PCP	.0	. 2	1.5	1.1	1.6	• 0	.0	•0	.0	•0	4.4	
	TOT \$	٠,	.?	2.2	3.3	1.6	• 7	.0	.7	.0	•0	9.5	
	PCP	.5	.0	.7	.2	.5	•9	.0	.2	.0	•0	2.2	
10+	NO PCP	2.0	5.7	39.2	28.5	1.8	1.5	1.5	2.4	•0	4.4	86.9	
	101 \$	7.6	5.7	40.0	28.6	2.4	1.5	1.5	2.6	•0	4.4	89.1	
	TOT OBS												13
	TOT PCT	3.3	5.8	42.9	34.7	4.0	2.2	1.5	3.3	• 0	4.4	100.0	

TABLE 9

	PERCENT FPEO OF WIND STRETTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY												
VSBY (MM)	SPD KTS		NE	E	SE	5	SW	¥	**	VAR	CALK	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.c	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	.0	.7	.0	.0	.0	.0	.0	.0	•0	.7	
	0-3	.0	.0	.0	.0	.0	.0	-0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	٠.	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT X	.0	.0	.0	.0	, C	.0	.0	.0	.0	•0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	•0	•0	.0	•0	.0	.0	•0	.0	.0	•0	
	0-3	.0	•0	.0	•0	.0	.0	.0	.0	.0	.0	٠,0	
2<5	4-10	.0	.0	.0	.7	.0	.0	.0	٠.٥	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	۰.	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT #	.0	.0	•0	7	•0	.0	•0	.0	.0	•0	•7	
	0-3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	4-10	.0	.2	.5	3.4	1.6	.0	.0	٠.0	.0		5.8	
	11-21	.0		1.6	.5	.0	•7	٥.	.7	.0		3.6	
	22+	.0	.č	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	• 2	2.2.	4.0	1.6	.7	.0	.7	.0	•0	10.1	
	0-3	.0	.0	.0	1.4	.0	.0	.7	.0	.0	4.3	4.5	
10+	4-10	2.0	4.2	20.1	14.7	2.4	1.4	.7	2.4	.0		47.8	
	11-21	.5	1.4	19.4	12.3	.0	٠.0	.0	. 2	.0		34.1	
	22+	.0	.0	• 0	.0	.0	.0	.0	.0	.0		.0	
	TOT &	2.5	5.6	39.7	28.4	2.4	1.4	1.4	2.5	.0	4.3	88.4	
1	TOT ORS												130
	TOT BCT	2 2		49.4	22 2	4.0	2.2	1.4	2.2	- 0	4.3	100.0	

C

 $\mathbf{C}$ 

PERIOD:	(PRIMARY) (OVER-ALL)	
	IOVE TALL!	1033-1411

TARLE 10

AREA 0002 CHRISTMAS ISLAND 10.15 105.0E

PERCENT	FREQUENCY C	G HEIGHTS	>4/81	AHO

HOUR (GHT)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	#000÷	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	•0	3.6	10.7	17.9	7.1	.0	.0	•0	•0	39,3	60.7	28
90380	.0	.0	•0	7.7	5.1	5.1	2.6	.0	.0	•0	20.5	79.5	39
12615	.0	.0	3.2	.0	16.1	3.2	3.2	.0	.0	•0	25.8	74.2	31
18621	5,3	•0	•0	5.3	10.5	.0	.0	.0	.0	•0	21.1	78.9	19
TOT	1	.0	1.7	7	14	5 4.3	1.7	0	0	0	31	86 73.5	117

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y /58Y	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GE\$ OF NH >4/8	VSRY (NH) J/BY HOUR	AND/OR
HOUR (GKT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TCTAL GBS	HOUR (GHT)	<150 150YD	000> 1>	<1000 <b>&lt;</b> 5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	.0	.0	11.4	88.6	35	00603	.0	3.6	14.3	25.0	60.7	28
961360	•0	.0	.c	2.2	4.3	93.5	46	90360	.0	.0	7.9	13.2	78.9	38
12615	2.6	.0	•0	.0	10.5	86.8	38	17615	•0	3.6	3.6	25.0	71.4	28
18621	•0	.0	.0	•0	21.7	78.3	23	16621	5.6	5.6	11.1	41.1	77.8	18
TCT PCT	.7	0	.0	.7	15 10.6	125	142	TOT PCT	1	2.7	10	21 18.8	81 72.3	112

1 .9 11 10.1 91 83.5 5 4.6 1 .9 109 100.0

TABLE 13

TEMP F

PERCENT FREQUENCY OF RELATIVE NUMIDITY BY TEMP

107AL PCT
0-27 30-39 40-49 50-59 60-69 70-79 80-89 90-100 UBS PREQ

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N NE E SE S SW W NW VAR CALM

.0 .0 .0 .2 .7 .0 .0 .0 .0 .0 .0

.0 .0 3.4 5.7 .9 .0 .0 .0 .0 .0 .0

2.5 7.3 35.7 25.0 3.4 .9 .9 1.1 .0 5.5

.0 .0 .0 .0 .2 & .0 .9 .0 .0

.0 .0 .0 .0 .0 .0 .0 .0 .0

.0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

3.4 7.3 40.1 33.7 5.0 1.8 .9 2.1 .0 5.5

TABLE 15

.0

.000000

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG #) BY HOUR

.9 .0 .0 .0 3.7 4.6 1.8 .0 5.9 36.7 33.9 6.4 .0 .9 .9 2.8 .0 .0 .0 .0 .9 11 46 40 11 10.1 42.2 36.7 10.1

 OUR MAX
 99%
 95%
 90%
 5%
 1%
 HIN MEAH
 TOTAL OBS

 GMT)
 0083
 0003
 0083
 0084
 0074
 74
 82.6
 91

 0609
 90
 89
 88
 84
 80
 78
 77
 82.9
 252

 2615
 80
 85
 85
 83
 79
 76
 78
 82.5
 115

 8221
 85
 84
 84
 82
 80
 79
 79
 81.9
 147

 TOT
 97
 89
 87
 83
 80
 76
 74
 82.9
 605

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HBUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TUTAL (GMT)
085 00003 .0 .0 3.7 40.7 33.3 22.2 82 27
08609 .0 2.6 15.8 50.0 26.3 5.3 77 38
12615 .0 .0 3.8 38.5 50.0 7.7 80 26
18621 .0 .0 16.7 33.3 44.4 5.6 78 18
TOT 0 1 11 46 40 11 79 109

APRIL

PERIOD: (PRIMARY) 1862-1971 (CVER-ALL) 1855-1971

TABLE 17

AREA 0002 CHRISTRAS ISLAND 10.15 105.0E

PLT	FREG	OF	AIR	TEMPERATURE	EDEG	F)	AND	THE	CCCURRENCE	QF	FDC	CHITHOLT	PRECIPI	TATION
				VE - 11	432-	TE	MOFE.	47:19	E TIBÉCPEURS		nec s	: 1		

AIR-SEA	73	77	81	85	89	TOT	.d.	WD
THP DIF	76	80	84	88	92		FOG	FOG
5	٠.	.0	.9	.9	1.6	4	•0	3.0
	.0	•0	. 9	1.8	.0	3	.0	2.7
3	.0	.0	.9	.9	. 0	Ž	•0	1.8
3 2	.0	.0	1.8	1.0	.0	Ā	•0	3.6
ī	.0	.0	13.6	3.6	.0	19	• 3	17.3
0	.0	.0	17.3	.0	.0	19	•0	17.3
-1	.0	. 9	15.5	. 0	.0	19	.0	17.3
-ž	.0		10.9	. 0	•0	15	. n	13.4
-2 -3	.0	. 9	10.0	, c	.0	12	. 0	10.9
-4	.0	1.8	2.7	.0	.0	- 5	•0	4.5
-5	.0		1.8	.0	.c	i		1.6
-6	.0	3.4	.0	.0	.0	- I	.0	3.6
-7/-8		.,9	.õ		.0	i	•0	7.9
-11/-13	. 9	.0	, c		•0	ī	• 0	. 9
TOTAL	- i	• •	84	•	ž	•		110
	•	12	•	11	•	110	٠	
PCT	.9	10.9	76.4	10.0	1.8	100.0		100.0

PERIOD: (GVER-ALL) 1963-1971

C

C

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS STA MEIGHTS (FT)  HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT C1									ABLE 10						
HOT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 4-10 11-21 22-33 34-67 48+ PCT C1					PC	T FRED O	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	FA MEIG	HTS (FT)		
1-2				11-21			48+						34-47	48+	PCT
3-4									•6	0	.0				
S=6															
7															
8-9															
10-11															
12															
13-16															
17-19	12-14														
20-22															
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
26-32															
33-60															
\$\frac{41-68}{49-60} \cdot \text{.0} \cdot \te															
##=60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
## - 0	61-70	.0	.0	.0	.0	.0	•0	.0	.0	.0		•0	•0		
TOT PCT .0 1.6 1.2 .0 .0 .0 2.9 .0 4.5 3.3 .0 .0 .0 7.8  HGT 1-3 4-10 11-21 22-33 34-47 *8* PCT 1-3 4-10 11-21 22-33 34-47 48* PCT	71-86	.0	.0	•0	•0	• • •	.0	.0	.0	.0	.0	•0	•0	.0	•0
HGT 1-3 4-10 11-21 E 22-33 34-47 *8* PCT 1-3 4-10 11-21 22-33 34-47 *48* PCT C1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	87+	.0	.0	.0	-0	.0	-0	.0	.0	.0	.c	•0	• 2	.0	•0
HGT 1-3 4-10 11-21 22-33 34-47 48- PCT 1-3 4-10 11-21 22-33 34-47 48- PCT (1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	<b>TOT PCT</b>	.0	1.6	1.2	•0	.0	•0	2.9	•0	4.5	3.3	•0	•0	•0	7.8
c1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0					£										
1-2					22-33	34-47	48+					22-33	34-47	48+	PCT
\$-4								.0		.0	.0	•0	•0		
\$ -6															
7		•0													
8-9															
10-11															
12															
13-16															
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
23-25															
20=32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
33-40															
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
TOT PCT .0 25.0 26.2 .0 .0 .0 51.2 .0 10.8 8.2 .0 .0 .0 25.0								.0		•0					
							-0	51.2	.0	14.8					

PAGE 102

	1043-1071		APRIL	38 E A	. 0002 CHRISTM	15 TSLAND
PERIOD: (GVER-ALL)	1403-1411	TABLE	18 (CONT)	***	10.15 105	
		PCT FREG OF AIND SPEED (KTS)	AND DIRECTION VERSUS SEA HEIGHT	5 (FT	1	
	_					

				s							2 11				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	•0	•0	.0	
1-2	.0	1.2	•0	.0	. 9	.0	1.2	.0	.0	.0	•0	.0	.0	.0	
3-4	.0	1.6	.0	.0	.0	.0	1.6	•G	1.6	.0	.0	•0	.0	1.6	
5-6	.0	.0	.0	.0	.0	•0	.0	.0	.0	1.6	.0	• ?	.0	1.6	
7	. 0	.0	.0	.0	.0	.0	۰.0	۰0	.0	.0	•0	•0	.0	.0	
1-7	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	•0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0	
13-16	.0	.0	.0	٠.	.0	.0	.0	.0	•0	.c	.0	.0	.0	•0	
17-19	.0	.0	.0	.0	٠.	.0	.0	.0	.0	.0	-0	•0	۰.	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-0	•0	.0	.0	
23-25	٠.	.0	.0	.0		.0	٠.	••	•0	.0	•0	•0	.0	.0	
26-32	.0	.0	•0		.0	.0	.0	•0	.0	.0	٠,	•0	٠.	.0	
33-40	.0	.0	•0	• 2	.0	.0	.0	٥,	•0	.0	•0	٠.	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	• ?	.0	•0	•0	٠.٥	.0	
49-60	.0	• 0	•0	.0	• 0	•0	.0	•9	•0	٠,	•0	•0	.0	•0	
61-70	.0	.0	•0	.0	.0		.0	• 0	• 0	.0	• • •	•0	۰.	.0	
71-86	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	•0	•0	٠.	•0	
87+	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	•0	•0	. 3	•0	
TOT PCT	.0	2.9	•0	• 2	.0	•0	2.9	• 0	1.0	1.6	•0	•0	.0	3.3	
				w							44				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-13	11-21	22-33	34-47	48+	PCT	PCT
<1	-0	•0	•0	•0	•0	٠.	•0	•0	•0	•0	•0	•0	٥.	•0	
1-2	.0	.0	•0	• 0	•0	•0	•0	•0	.0	. 4	•0	•0	.0	. • •	
3-4	٠.	.c	•0	.0	.0	٠.0	•0	•0	.0	1.6	•0	•0	.0	1.6	
5-6	.0	.0	•0	• 2	•0	•0	.0	•¢	•0	.0	•0	•0	.0	•0	
.7	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0	۰٥	
8-9	. 3	.0	•0	•0	.0	•0	•0	• 5	:0	•0	•0	•û	.0	.0	
10-11	.0	.0	•0	.0	.0	.0	•0	·\$		.0	•0				
12	.0	.0	•0	.0	•0	.0	•0	•6	.6	٠.	.0	• 0	.0	.0	
13-16	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	.0	
17-19	• 5	.0	•0	٠٥.	.0	٠.٥	•0	•0	•0	•0	•0		:0	.0	
20-22	•0	.0	•0	.0	•0	٠0	٠.٥	-0	•0	•0	•0	•0		•0	
23-25	٠.	.0	•0	.0	.c	.0	•0	•6	.0	.0	•0	•6	٠.٥		
26-32	.0	-9	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
33-40	.0	.0	.0	.0	.0	٠0	•0	•0	•0	.0	.0	•0	•0	.0	
41-48	.0	.0	•0	.0	.0	٠.0	•0	•0	.0	.0	•0	•0	٠٥.	.0	
49-60	٠.	.0	• 0	.0	•0	.0	•0	•0	•0	.0	•0	•0	٠.	•0	
61-70	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	•0	•0	
71-86	.0	.0	•0	•0	.0	•0	• 0	•0	.0	.0	•0	•0	٠.	•0	
67+	.0	.0	•0	.0	•0	.0	.0	•6	.0	.0	•0	•0	٠.	• • •	
TOT PCT	.0	-0	•0		.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	95.1

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
MGT	0-3	4-10	11-21	22-33	34+47	48+	PCT	TOT 785
<1	4.9	•0	.0	.0	.0	.0	4.9	
1-2	.0	16.4	13.1	.0	.0	.0	29.5	
3-4	.0	31.1	18.0	.0	.0	.0	49.2	
5-6	.0	3.3	8.2	.0		.0	11.5	
7	.0	1.6	3.3	.0	.0	.0	4.9	
8-9	•0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	•0	.0	.0		.0		.0	
13-16	.0	.0	.0	.0	.0		.0	
17-19	.0	•0	.0	.0			.0	
20-22	.0	.0	.0	.0	.0		.0	
23-25	.ŏ	.ŏ	.0	,0	.0		.0	
26-32	.0	.0	.0	.0	.0		.0	
33-40		.0		.ŏ			.0	
41-48	.0	.0		,c				
49-60	.0			.0				
61-70	.0	:0		.0				
71-86	•0		•0				.0	
87+							.0	
0/•	•0	•0	••	•0	••	.0	••	61
TOT PCT	4.9	52.5	42.6	.0	.0	.0	100.0	01

TABLE 1

AREA 0002 CHRISTHAS ISLAND 10.15 105.2E

FRCENT	FREQUENCY	OF	MEATHER	DCCURRENCE	BY WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
HND DIR	RAIN	RAIN	"R7L	FRZG PCPN	SNOW	OTHFR FRZN PCPN	HAIL	PCON AT	PCPN PAST HCUR	THUR LTNG	FDG 40 PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DU_ BLWG SND	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	20.7	.0	. 0	.0	.0	.0	26.7	.0	.0	.0	.0	•0	.0	73.3
E	2.9	.0	1.7	.0	.0	.0	. C	4.5	3.3	2.1	.0	an	.0	.0	61.3
ŠE	. 6	٥.	٠.٥	.0	.0		.0	• 6	.6	6.2	·ò	, U	•0	.0	93.2
S	.0	.0	.0	.0	.0	.0	.0	•0	21.4	.0	.0	.0	•0	.0	78.0
SH	.0	.0	.0	.0	•0	.0	.c	.0	.0	.0	.0	•0	•0	.0	100.0
¥	.0	.0	.0	.0	.0	•0	•с	•0	•0	ن.	.0	.0	•0	.0	100.0
N₩	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	•0	•0	100.0
VAR	.0	.0	.0	.0	.0	.0	.c	.0	•0	.0	.0	.0	•0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.c	.0	•0	.0	.0	.0	•0	•0	100.0
TOT PCT	1.7	.6	. 8	.0	•0	.0	•0	3.3	2.5	3.3	.0	.0	•0	•0	91.7

TABLE 2

PERCENT	FREGLANCY	ΩĒ	MEATHER	OCCURRENCE	44	KOUR

			•	RECIPI	TATIO	* TYPE					STHER	HEATHER	PHEND	MENA	
HOUR (SMT)	RAIN	RAIN Shur	DR7L	FRZG PCPN	SHUW	OTHER FRZN PCPN	HAIL	PCON AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FUG WD PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	.0 3.3 3.6	.0 3.3 .0	.0 3.3 .0	.0	.0	.0	.0 .0	10.0 3.0	2.9 .0 .0	.0 7.1 6.9	.0	.0	•0	• ?	97.1 90.0 92.9 86.2
TOT PCT	1.7			.0	.0	.0	٠.	3.3	2.5	3.3	•0	.9	••	•0	91.7

TARLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	ID SPEI	EC (K4)	OTS)								KOUR	(GHT)			
PIG DAW	0-3	4-10	11-21	22-33	34-47	48+	TOTAL 230	PCT FREQ	MABP C92	nn	03	06	09	12	15	18	21
N NE	.5	.3	3.0	.9	.0	•0		1.1	7.4 12.1	.9 3.8	•0	1.2	7.0	.C	.0	2.6	.9 5.2
E SP	. 7	14.7	26.5	3.5	.3	.0		48.6	13.4	50.3	50.0	49.0	40.4	51.6 33.2	.0	47.1	50.9 34.5
S Su	.1	4.5	2.5	.2	.0	.0		7.4	10.0	6.7	•0	6.3	12.3	7.1	.0	0.6	6.0
Nu	:3	.5	.0	.0	.0	.0		1.2	4.8	1.2	•0	. 6	• 0	1.1	.0	1.1	1.7
VAR CALP	.0	.0	.5		•0	.0		.0	.,	.0	•0	1.2	•0	1.1	.0	.0	.0
TOT DBS	24	200 36.4	277 50.4	47 0.5	. 2 . 4	.0	550		12.8	66	1	170	57	91	0	87	58 100•0

### TABLE 34

WND DIR	0-6	wind 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT	MELN SPD	00 03	HQUI 06 09	(GHT) 12 15	18 21
N	.5	.4	•2	.0	.0		1.1	7.4	.9	1.1	.0	1.9
N.	1.1	3.4	1.8	•0	.0		6.3	12.1	3,7	1.6	4.7	5.3
4	5.6	27.5	14.0	1.5	.0		48.6	13.6	50.3	46.8	51.6	48.6
56	3.7	17.3	.11.2	. 9	.0		33.3	13.7	34.0	32.2	33.2	34.3
5	1.5	5.5	.4	.0	.0		7.4	10.0	4.4	7.6	7.1	7.6
Sw	.5	.2	.0	.0	.0		.6	5.1	1.1	.7	1.1	.0
	.7	.2	.0	.0	.0		, ,	4.8	1.1	.4	1.1	1.4
KW	. 3	. 9	.0	ě	, ò		1.2	8.3	1.4	1.8		•
VAR	.6		·ŏ	ö	.0			0	·.ò		.6	.0
		••	••	••	••							
CALM	::						.5	0	.0 87	-:9	1:1	. : 0
TOT GRS	#1	304	152	13	٥	550		12.8		227	. 91	145
TOT PCT	14.7	55.3	27.6	2.4	.0		100.0		100.0	100.0	100.0	100.0

PAGE 104

C (

元 等三路

·^)

PERIOD: (PRIMARY) 1868-1969 (CVER-ALL) 1855-1969

TABLE

AREA COOZ CHRISTMAS (SLAND 10.15 105.2E

PERCENTAGE	FREQUENCY	C. 6	HILD	CBEED	24	Material B	

нвик	CAL 4	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL
00603	٠.٥	3.4	40.2	49.4	5.7	1.1	.0		100.0	67
12615	1.1	3.3	35.7 36.3	49.3 51.6	7.7	.0	.0		100.0	227 91
18621 TOT	.0 3	2.8	35.2 200	51.7 277	10.3	.0	۰.	13.1	100.0	145 550
PCT	. 5	3.8	36.4	50.4	8.5	. 4	.0		100.0	

TARLE 5

TARLE A

			•									Τ,	THE 6					
PCT FREC OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTICH MEAN							PERCEN	TAGE F	REQUEN	CY OF	CEILIN	IG HEIG '8 BY H	HTS (	FT,NH :	>4/8) ON			
WND DIR	0-5	3-4	5-7	B E rescr	TETAL CBS	COVER	000 149	150 290	300 499	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N NE	.9 1.5 15.6	.0 .9	2.1 1.5 12.4	.0 .0 2.1		4.5	•0	• 0	.0	•0	.0 1.2	•0	.0	•0	•0	.0	2.9	
SE S	12.4	11.5	10.3	3.8		3.6 4.ŭ 6.0	•0 •0	•0	.0 .0	.9	3.5	1.2	.6	•0	•0	1.2	42.6 31.2	
SW W N#	.0 .0	2.4	1.2	•0		4.0 4.3 3.5	•0	•0	.0	.0	.0	•0	.0	•0	•0	.0	1.2 3.5	
VAR CALM TOT DBS	1.2 27	.0 .3	•0	1.2		•0 5•0	•0	•0	.0	••	.0 .0	•0	•0	•0	•0 •0	.0 .0	.6 .0 2.4	
TOT PCT	31.8	32.9	24 28.2	7.1	100.0	3.9	•0	٠,	.0	1.2	7.1	2.4	1.2	•0	.0	1.2	74 87-1	100.0

TARLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NF >4/8) AND YSBY (NM)

				VSBY (NE	1)			
CEILING	# (1#	● DR	= GR	■ FR	• DR	- UR	<ul> <li>□ ΩR</li> </ul>	· OR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• OR >6500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<ul> <li>DR &gt;5000</li> </ul>	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<ul> <li>OR &gt;3500</li> </ul>	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
■ DR >2000	4.0	4.1	4.6	4.6	4.1	4.3		2.4
- DR >1000	9.5	10.7	11.9	11.9	11.9		. 4 - 8	
= DR >600	10.7	11.9				11,.9	11.9	11.9
■ DR >300			13.1	13.1	13.1	13.1	19.1	13.1
	10.7	11.9	13.1	13.1	13.1	13.1	13.1	13.1
■ OR >150	1c.7	11.9	13.1	13.1	13.1	13.1	13.1	13.1
• DR > 0	10.7	11.9	13.1	13.1	13.1	13.1	13.1	13.1
TOTAL	۵	10			::	••••		

TOTAL NUMBER OF DEST 84

PCT FREQ NH <5/81 86.

### TABLE 74

### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	. 0	BSCD	TOTAL
3.0	20.2	21.2	24.2	18.2	3.0	5.1	4.0	1.0	•0	**

PERIUD: (PRIMARY) 1868-1969 (OVER-ALL) 1855-1969 AREA 0002 CHRISTMAS ISLAND 10.15 105.2F TABLE S PFRCENT FRED OF WIND DIRECTION VS DECURRENCE OR NON-DECURRENCE OF PREGIPITATION WITH VARYING VALUES OF VISIBILITY SE 5 VAR CALM PCT TOTAL VSBY (NM) Sw NW .c .o .0 .0 •0 0.0 .0 .0 .0 .0 •0 .c .c <1/2 .o. .0 •0 •0 •0 •0 .0 .0 .0 ٠٠ ٥٠ •• •0 .0 •0 0. 0. .0 .0000 •0 .0 •0 .c .c .0 1.0 1.9 .0 .0 •• •0 •0 . C . R . S .0 •0 .0 .0 4.0 4.0 •0 .c .6 .0 0.9 6.9 .0 .0 .c .8 .c .2 •0 .0 .0 .0 1.5 1.5 .2 31.7 31.9 .0 .0

2.9

#### TABLE .

2,5

.0

.4

.0

1.7 100.0

#### PERCENT FRED OF HIND DIRECTION VS HIND SPEED WITH YARYING VALUES OF VISIBILITY ٥Ł 5 Sĸ N-PCT TOTAL DBS VSBY (NH) VAR .0 .00000 .0.0 .0 .0 00000 .0 .0000 .07.007 <1/2 22+ TOT \$ .0 .0 0-3 4-10 11-21 .0 00000 .0 .0 .0 .0000 .0 .0 1/2<1 22° 707 \$ 0-3 4-10 11-21 22+ TOT \$ .0 .0000 .0 .0000 .0 .0 .0 .0 1<2 0-3 4-10 11-21 22+ TOT \$ .0 1.4 .7 .0 2.1 .0 .0.00 .0 .0 .0 .0 2<5 .7 2.8 .9 1.4 5.8 .0 1.4 1.9 3.3 2.1 4.2 2.8 0-3 4-10 11-21 .0 .0000 .0 .7 .0000 .00000 5<10 22+ TBT 2 20.1 22.0 -3.1 0-3 4-10 11-21 .5 .7 .0 .0 1.1 17.3 12.5 1.8 32.6 .0 .7 .0 .0 .0000 .00000 10+ 22+ TOT \$ TOT DBS 142 1.8 2.5 52.5 36.8 .0 2-1 .4 2.5 .0 1.4 100.0

PAGE 106

TOT DBS

2.3

3,1 50,4

PERIOD:	(PRIMARY)	1868-1969
	I MUEB-ALL S	1046.1049

TABLE 10

AREA ODOZ CHRISTMAS ISLAND 10.15 105.2E

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET,NH	>4/81	AND
	000000	NEC BE N	· /5/8 8:	4 447140		

CCURRENCE	DF	N×	<5/8	HOHR

43UR (GHT)	000 149	150 299	300 599	999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8	TOTAL DBS
00603	.0	.0	.0	3.6	•0	7.1	3.6	.0	.0	3.6	17.9	82-1	28
90360	.0	.0	.0	.0	11.5	.0	.0	٠.	.0	.0	11.5	88.5	26
12615	.0	.0	.0	•0	4.3	.0	.0	.9	٠.	• 0	4.3	95.7	73
18621	.0	. 5	.0	•0	15.0	.0	. 5	٠,	٠.	٠,	10.0	90.0	20
TOT	0	0	0	1.0	6 3	2	1 0	.5	0	1-6	11.3	86 88.7	97 100.6

TABLE 11

#### TABLE 12

		PERCENT	FREQLEN	CY VSRY	(NR)	BY HOUR		CUMULAT					VSBY (NM) 1/BY HOUR	
FUCH (G4T)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL UBS</th> <th>2708 (GMT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL DES</th>	2<5	5<10	10+	TOTAL UBS	2708 (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DES
60300	.0	.0	٠,	2.7	10.8	86.5	37	00003	.0	•0	4.0	16.0	60.0	45
06809	٥.	.0	••	2.6	5.6	91.7	36	06609	• 2	.0	4,6	9.5	85.7	21
12615	3.0	.0	٠,	3.0	15.2	78.8	33	12615	•0	.0	.0	5.0	95.0	20
18821	.5	2.8	•0	8.3	11.1	77.5	36	19821	•0	.0	5.6	11.1	83.3	18
TOT PCT	.7	.7	.c	4.2	15	119 83.9	142 100.0	TOT PCT	.0	.0	3,6	10.7	72 85.7	100.0

TANLE 13

TABLE 14

																_				
	PERCE	NT FR	EQUENCY	Y 3F P	ELATIV	E HJMI	911Y 9	Y TEP-	****			PERC	EYT FR	ESTEAC	GF W	14D DI	rection	8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT PREQ	14	NE	E	SE	Ş	SW	ni	NW	VAR	CALM
85/89 80/84 75/79 TOTAL	•0	.0		•0	4.4	3,3 42,2 ,0	1.1 35.6 3.3	10.0	90	4.4 92.2 3.3 100.0	1.9	1.1 1.1	1.7 48.9 .8	2.5 33.6 1.9	.6	1.1	3.3	.0	.0	1:1
PCT	.0	•0	•					10.0			1.9	2.5	51.4	37.8	.6	1.1	3.3	.3	•0	1.1

TABLE 15

TABLE 16

	MEANS,	EXTREMI	ES AND	PERCEN	ITTLES	G# TE	1P (JE	G F) B	Y HOUR		PERC	ENT FRE	QUENÇY	OF RELA	TIVE HU	YTIDIHL	BA HORE	t
HOUR (GHT)	MAX	99%	95%	50%	5%	14	MIN	MEAN	TOTAL	HØUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	1
00603	87 88 84	86 87 83	86 83	82 83 62	78 79 80	75 76 79	75 74 79	\$1.3 \$2.7 \$1.9	#3 211 35	00203 90300 1221	•0	•0	3.8 8.3 4.8	42.3 50.0 47.6	46.2 33.3 33.3	7.7 8.3 14.3	80 78 80	
12615 18621 TOT	1	83 87	83 85	81 82	78 79	77 75	76 74	\$1.1 \$1.9	131 516	10¢21 TOT	•	•	•0	42.1	47.4	10.5	82 80	

-

PERICO: (PRIMARY) 1968-1969 (QVER-ALL) 1855-1969

TABLE 17

AREA 0002 CHRISTHAS ISLAND 10.15 105.2E

# PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 6*	85	TOT	FOG	40 F0G
9/10	.0	•0	1.0	.0	1	.0	1.9
7/8	.0	•0	.0	1.0	1	.0	1.0
4	.0	•0	1.0	.0	1	.0	1.0
3	.0	.0	4.0	1.0	1 5	.0	5.0
2	.0	• 0	5.0	2.0	7	.0	7.0
ī	.0	•0	12.0	.0	75	-0	12.0
ō	.0	2.0	26.0	1.0	29	.0	29.0
-i		1.0	14.0	.0	15	.0	15.0
-2	.0	1.0	15.0	.0	16	.0	16.0
-3	.0	2.0	2.0	.0	4	.0	4.0
-4	1.0	3.0	3.0	.0	7	.0	7.0
-5	.0	•0	2.0	.0	2	.0	2.0
TUTAL	ì		85			Ó	100
_		9		5	100		
PCT	1.0	.0	85.0	5.0	100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

(

TABLE 18

				PC	T FREG D	F WIND	SPERD	(KTS) AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
PGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
4		.0		.0	.0	-0			•0	.0	.0	.0	•0	.0	•0
1-2	.ŏ		ò	ě	ò	.0			ŏ	ō	ŏ		•0	.ŏ	.0
3-4	.c	.0	٥.	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
5~6	.0	.0	•0	.0	.0	.0	.0		.0	.0	2.3	.0	•0	.0	2.3
7	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	.0
8-7	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0
10-11	.0	.0	•0	.0	.0	•0	.0		.0	•0	.0	.0	•0	.0	•0
12	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0
13-16	.0	.0	•0	•0	.c	.0	.0		•0	.0	.0	•0	•0	.0	•0
17-19	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	.0	•0	•0	.0
20-22	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0
23-25	.0	.0	•0	.0	•0	•0	•0		•0	.0	.0	.0	•0	•0	•0
24-32	٠.	٠.	•0	.0	.0	•0	.0		•0	•0	.0	•0	•0	.0	•0
33-40	•0	.0	.0	.0	٠.	•0	-0		•0	•0	۰.	.0	•0	•0	•0
41-48	•0	.0	•0	.0	•0	•0	•0		•0	•0	•0	•0	•0	:0	•0
49-60	.0	.0	•0	•0	.0	٠0	.0		•0	•0	.0	•0	•0	.0	•0
61-70	.0	-0	•0	.0	• 5	•0	•0		•0	•0	.0	•0	•0	.0	•0
71-86	٠.	.0	•0	•0	,c	•0	.0		•0	.0	•0	•0	•0	.0	•0
67+	.0	.0	•0	.0	.0	•0			•0	.0	2.3	.0	•0	:0	2.3
TOT PCT	.0	.0	•0	.0	•0	•0	•0		•0	••	2.3	.0	•0		2.3
				£								SE		4	
HGT	1-3	4-10	11-21	22-33	34-57	48+	PCT		1-3	4-10	11-21	22-33	34-47	40+	PCT
<1	.0	.0	•0	•0	•¢	•0	.0		•0	0	.0	•0	•0	.0	• 0
1-2	.0	9.3	0	•0	.0	.0	9.3		•0	11.6	4.7	0	•0	.0	16.3
3-4	.c	.1	12.0	.0	.0	•0	20.9		•0	8.1	3.5	3.3	•0	.0	14.0
5-4 7	.0	4.1	20.3	.0	•0	•0	2.3		.0	.0	5.2 2.3	2.3	•0	:0	2.3
2-9	:0		2.3	.0	.0	:0	*.0		.0	.0	2.3	.0	••	:0	·.0
10-11	.0		.0	:0	.0	.0	.0				.0	.0	.0	.0	.0
12	ě	:	•0	.ŏ			.0		.0	ě			.0		.0
13-16	ä	.0	.0			.0			ŏ			.0	•0		.0
17-19	ŏ.	.ŏ	.ŭ						ŏ	ě			.0	.0	.0
20-22	.ŏ								ŏ	.0			.0	.0	.0
23-25	.ŏ		.0	.ŏ	.0	.0			ŏ	.õ		.0	.0	.0	.0
24-32	.õ		.0		ě	•0	.0		.0	.0	.0	.0	.0	.ò	.0
33-40	.č				.0				.0	.0			.0	.ŏ	.0
41-48	ō		.0		.0				.0	.0			.0	.0	•0
49-40	ō		.0		,0	.0			'n	.0	,0	.0	.0	.0	.0
41-70	.ŏ		.0	.ŏ		.0	.0		.0	.0		.0	.0	.ò	.0
71-06	.ŏ		•0	.0		.0			.0	, a	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.5	35.5	.0	.0	.0	57.0		.0	20.3	15.7	4.7	.0	.0	40.7

746E 108

									PAY							
9ER100:	r (DAF)	I-ALL)	1463-1	709				TABLE	18 (CONT)	1			AREA		15 105	AS ISLAND .2E
				PC	T pero	OF WIND	SPEED	(KTS)	AND PIREC	T10" V	ERSUS S	EA HEIG	HTS (FT	)		
=				\$	<u> </u>							SW				
HGT <1	1-3 .C	4-10	11-21	22-13	34-47 .C	48+ •C	PCT		1-3	4-10	11-21	22-33	34-47	484	PCT	
1-2	.ŏ	.0	.0	.0	.0	.0	.0		.0	۰٥		.0	.0	.0	•0	
3-4		:0	.0	.0	.0		:0		.0	:0	.0		.0	:0	:0	
5-6			.0	.0	.0	.0	.0			ŏ	.0		.0	.0	.0	
7		.0	.0				č		ě	.0			.0		٥٠	
6-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	•0		.0	.0	.0	
10-11	.0		.0		ö				ŏ	.0	.0		.0		ě	
12	.0	.0	.0	.0	.0	•0	.0		.0	.0	•0	.0	.0	.0	.0	
13-16	.0	.0	.6	.0	-6	.c	·c		.c	.0	.0	.0	.0	.0	.0	
17-19	.c	.0	.0	.0	. 8	.c			.0	.0	.0	.c	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. 0	.0	.0	
23-25	.c	.0	.0	.0	۰.	.0	.0		.0	.0	.0	.0	.0	٠,0	.0	
26-32	.0	.0	.c	.0	.0	٠.			•0	.0	.0	.0	•G	.0	.0	
33-40	.0	.0	.0	.0	.^	•0	.0		.0	.0	.0	•0	•0	•0	.0	
41-48	•0	.0	.0	.0	.0	•0	•0		•0	•0	•0	.0	•0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	•0		•	•0	.0	•0	•0	•0	•0	
61-70	.0	.0	.0	.0	.0	•0	.0		٠^	• 0	.0	.0	•0	.0	.0	
71-86	.0	.0	•0	.0	.0	.0	•0		•0	•0	.0	•0	•0	•0	.0	
87+	.0	.0	•0	.0	.0	•0	•0		•0	•0	-0	.0	•0	•0	.0	
TOT PCT	•0	•0	•0	.0	.0	.0	•0		•0	•0	•0	•0	•0	.0	.0	
												Nie				TOTAL
HGT	1-3	4-10	11-21	22-93	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	•0	.0	.0	-0	.0	)	•0	.0	.0	•0	•0	.0	.0	
1-2	.0	-0	.0	.0	.0	.0	.0	ļ	•0	•0	.0	.0	.0	۰۲	٠0	
3-4	.0	.0	.0	.0	.0	.0	•0		.0	.0	.0	.0	•0	.0	.0	
5-6	.0	.0	•0	.0	۰.0	.0	.0		.0	•0	.0	•0	.0	.0	•:	
7_	.0	-0	•0	.0	.0	-0	•0		.0	•0	.0	•0	•0	•0	.0	
8-9	•0	-0	•0	.0	.0	.0	•0		٠o	•0	•0	•0	•0	.0	.0	
10-11	•0	.0	•0	•0	.0	•0	.0		•0	•0	.0	•0	•0	• • •	•0	
.12	.0	.0	•0	•0	•0	.0	•0		•0	.0	•0	٠0	•¢	•0	.0	
13-16	.0	.0	•0	.0	٠.	•0	.0		•0	.0	•0	•0	•0	•0	.0	
20-22	.0	.0	•0	.0	.0	.0	.0		.0	:0	.0	.0	.0	.0	•0	
23-25	.0	.0	•0	.0		.0	.0		ñ	.5		.0	.0		.0	
26-32	.ŏ	.0	•0	.0	.0		.0		.0	ě	.0	.0		٥:	.0	
33-40		.0	•0	.0	.5	.0			.0	••		.0	.5	.0		
41-48	.ŏ		.0	.0	.0	.0	:		٥٠	.5	.5	.0	.5		.0	
49-60			.0	.0					.0		.0	.0	.0		.0	
41-70	.0	.0	.0		.ŏ	.0			č	č			.0			
71-06	.5	.0	.0			.0			ō		.0	.0	.0		.0	
87+	. 0	.0	·c	.0	.5	.0			,0	:0			.0	.0		
TOT PCT	.0	.0	.0-		'n	•0	.0		'n	• 0	'n	•0	•0	.0	.0	100.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34+47	48+	PCT	TOT
<1	.0	-0	.0	.0	.0	.0	.0	083
1-2	.0	20.9	4.7	.0	.0	.0	25.6	
3-4	.0	16.3	16.3		.0	.0	34.9	
5-6	.0	4.7	27.9				34.9	
7	,ō	.0	4.7				4.7	
8-9	.ŏ		.0			.0		
10-11								
15			.č					
13-14		.0	.0					
17-19								
	.0	•0	.0				.0	
50-55	.0	•0	•0				•0	
23-25	.0	.0	.0				.0	
26-32	.0	•0	.0				.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0			.0	.0	
61-70	.0	.0	.0				.0	
71-44	.0	.0	.0				.õ	
374	.ö							
3,0	••		••	••	••	••		43
TOT PCT	.0	41.9	53.5	4.7		.0	100.0	

PERIOD	(8)	ER-ALL	194	9-196	•				TABLE	19											
					PERCENT	r FRE	QUENCY	OF WA	VE HEI	HT (F1	r) V5	MAVE P	ERICO	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	24-32	33-40	41-48	49-40	61-70	71-86	87+	TOTAL	MEAN HGT
(SEC) <6	.0	11.8	10.5	5,3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	3
8-7 8-9 10-11	.0	1.3	11.8	19.7	1.3	1.3	.0	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	27	4
8-7	• 0	.0	2.6	7.9	1.3	.0	.0	2.6	.0	:0	0 ز	.0	.0	.0	:0	.0	.0	.0	.0	11	•
10-11	٠.0	.0	. C.	3.7	5.3	:0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	7	•
12-13	•0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	•0	.0	.0	.0	.0	.0		.0		Ü.	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	•0	1.3	2.6	.0	4.4	.0		.0		.0	:0	٠.	. 0	.0		.0	.0	.0	.0		5
TOTAL	0	11	21	20	13	i	Ŏ		0	Ö	Ö	Q	Ö	ō	0	0	O	. õ	0	76	5

PERIOD: (PRIMARY) 1864-1969 (OVER-ALL) 1855-1969

TABLE 1

AREA 0002 CHRISTMAS ISLAND 19.05 105.2E

# PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TATIO	Y TYPE					STHES	WEATHER	PHEND	MENA	
WND DIR	RAIN	PAIN' Shur	CR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOS HO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
11	.0	.0	.0	.0	.0	.0	.c	.0	21,4	٥.	.0	.0	.0	.0	78.6
NE	.0	.0	۰.	.0	.0	.0	.c	0	2.7	.0	.0	.0	.0	.0	97.3
£	1.5	1.1	.0	.0	.0	.0	.0	2.7	3.1	.0	.0	.0	.0	.0	94.3
SE	8.8	2.2	.0	.0	.0	.0	.0	11.0	1.8	5.3	• 0	.0	•0	.0	83.7
S	.0	23.5	.0	.0	.0	.0	.0	23.5	.0		.0	.5	•0	ě	76.5
S.	.0	50.0	.0	.0	.0	.0	.0	50.0	.0		.0	.0	•0	• 0	50.U
¥	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	•0	.0
Ris	.0	.0	.0	.õ	.0	.ŏ		.0	.0	.č	.0		.0	ŏ	100.0
VAR	.0	.0	.0	.0	.0		.c	.0	•0	.0	.0		.0	š	.0
CALP	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0		100.0
TOT PCT	4.2	2.8	.0	.0	.0	.0	.0	7.0	2.8	2.1	.0	.0	•0	.0	8.8

TARLE 2

PERCENT	FREOLENCY	Ωř	WEATHER	DECURRENCE	BY HOUSE

			,	RECIPI	TAT10	TYPE					CTHER	MEATHER	PHENCE	MENA	
HOUR (TMD)	*414	PAIN Shur	CR7L	FRIG PCPN	SNOW	OTHER FRZN FCPN	HAIL	PCP4 AT OB TIME	PCPN PAST Hour	THOR	F06 13 FCP11	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	3.8 5.0 4.8 2.9	3.8 .0 .0	.0 .0 .0	.0	.0	.0	.c .c	7.7 5.0 4.8	3.6 .0 2.4 5.7	.0 .0 4.8 2.9	.0	.0 .0 .0	•0	.0 .0 .0	88.5 95.0 88.1 82.9
TOT PCT TOT CBS:	4.2	2.0	.0	•0	.0	•0	•0	7.0	2.5	2.1	•0	•0	•0	•0	

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wih	D 49E	ED CKNI	T\$ 1								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL Das	PCT FREQ	MEAN SPD	00	03	C6	ō.	12	15	18	51
N NE	.5	1.1	4.0	: 1	.0	•0		1.9	7.0	1.4	•0	2.8	13.0	1.7	.0 7.1	1.6	2.2
E SE	.6	11.7	32.1	7.3	. 3	.0		52.1	15.2		100.0	46.9	56.5	51.7	42.9	53.8	56.5
5	.1	1.3	7.0	. 3	.5	.0		3.7	13.1	2.4	• 0	4.4	23.1	30.2 3.2	50.0	29.2 6.0	30.0 1.7
S» W	•2	•2	.0	.0	•0	•0		.4	3.5 7.0	.8	•0	.2	.9	•0	•0	.7	•0
Nu VAR	•6	.5	.2	.0	•0	•0		1.3	5.9	.6	•0	3.4	.0	.0 .7	.0	.0	.0
CALM TOT DBS	1.4	220	494	-	-		•	1.4	•0	. 8	•0	1.7	. •	2.7	•0	.7	. 9
TOT PCT	4.8	25.1	56.5	113 12.9	.7	.0	875	100.0	14.3	126 100.0	100.7	100.0	100.0	148	100.0	137	115

TABLE 3A

						•						
NND DER	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL USS	PCT FREQ	MEAN SPD	00 03	M3Ui 06 09	16 (GHT 12 15	18 21
N NE E S S S W W W VAR CALM TOT ORS	1.3 2.5 3.9 2.5 .3 .4 .2 .9	5.5 24.2 11.7 2.3 .0 .1 .3	22 21.3 21.3 12.6 1.1 .0 .0	.0 .2 2.6 1.8 .0 .0 .0	0000000000	875	1.9 10.4 52.1 28.6 3.7 .4 .3 1.3	7.0 11.3 15.2 15.6 13.1 3.5 7.0 5.9	1.4 7.7 92.8 33.3 2.4 .8 .0 .8	13.6 49.9 24.9	1.6 9.7 51.3 31.1 3.1 .0 .0 .0	1.9 7.8 55.1 29.6 4.1 .4 .2 .2 .0
TOT PCT	13.3	44.6	37.6	4.6	• 5	•••	100.0	1413		100.0		

PAGE 110

 $f \propto$ 

			_					JUNE						
PERIOD:	(PRIMARY) (OVER-ALL)	1864-196 1855-196						TARLE 4				AREA O	002 CHRISTHAS 10.05 105.	ISLAND ZE
				PER	CENTAGE	FREQU	ENCY OF	WIND SP	EED BY	HDUR	(GMT)			
		HOUR	CALH	1-3	4-10	#IND 11-21	SPEED 22-33	(KNDTS) 34-47	45+	MEAN	PCT	TOTAL OBS		
		00603 06609 12615 18621 TOT PCT	1.5 2.6 .8 12	2.4 5.0 2.6 2.4 30 3.4	26.0 25.8 26.4 21.8 270 25.1	58.3 52.5 57.4 60.3 494 26.5	11.8 14.7 9,0 13.5 113	.6 .0 1.2	•••••	14.2	100.0 100.0 100.0 100.0	127 341 155 252 875		

TABLE 5

74818 4

												T	ABLE 6					
		. '	A MIN	D DIREC	TION	(EIGHTHS) MEAN			PERCEN	TAGE F	REQUE	CY DF	CEILIA NH <5/	G HEIG	HTS (	FT,NH IRECTI	>4/8) DN	
WND DIR	0-2	3-4	5-7	OBSCD	CBS	COVER	000 149	152 299	700 599	600°	100n 1999	2000 3499	3500 4994	5000 6499	65G0 7999	8000+	NH <5/8	
N NE E SE S NH WAR CALH TOT DBS TOT PCT	1.9 4.2 15.3 9.9 .0 .0 .0 .9 35 33.0	.7 1.7 15.1 12.7 .0 .0 .0 .0 .0 .0 .0 .0	.0 .7 14.9 10.4 2.4 .0 .0 .9 .0 .0 .0	.7 .2 3.5 2.1 .9 .0 .0 .0	106 100.0	2.9 2.4 3.8 3.8 5.9 .0 .0 6.0 .0	.0	••••••••	.0 .7 1.2 .0 .0 .0	.0 .0 1.7 1.2 1.9 .0 .0	.0 .0 1.9 3.1 .7 .0 .0	.7 .2 2.4 1.7 .7 .0 .0 .0	.00.00.00.00.00.00.00.00.00.00.00.00.00	••••••	•0	•0	7.6 6.6 41.3 28.1 .7 .0 .0 .9 .9 .9 86	106

TABLE 7

CUMULATIVE PCT FREQ DF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING	• CR	• CR	• OR	√SBY (N)				
(FEET)	>10	>5	>2	>1	7 OR >1/2	= OR >1/4	- 3R >5GYD	* 2R >0
- DR >6500 - DR >5000 - DR >3500 - DR >2000 - DR >1000 - DR >300 - DR >300 - DR >0 - DR >0 - DR >0	.0 .0 4.7 9.4 11.3 11.3	.0 .0 5.7 11.3 15.1 16.0 10.0	.0 .9 6.6 12.3 16.0 17.9 17.9	.0 .9 6.6 12.3 16.0 17.9 17.9	.0 .9 6.6 12.3 17.0 18.9 18.9	.0 .9 6.6 12.3 17,0 18.9 18.9	.0 .0 .9 6.6 12.3 17.0 18.9 18.9	.0 .0 .9 6.6 12.3 17.0 18.9 18.9
IDTAL	12	17	19	19	.20	20	20	20

TOTAL NUMBER OF OBS: 106 PCT FRED NH C5/81 81-1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 2.6 19.3 26.3 21.1 11.4 5.3 5.3 3.5 5.3 .0 114

JUNE

AREA 0002 CHRISTHAS ISLAND 10.05 105.2E PERIOD: (PRIMARY) 1864-1969 (OVER-4LL) 1855-1969 TABLE 8

		PI	PRCENT		IPITAT								E OF
VSBY (NA)			NF	ε	SE	S	Sw	¥	NW	YAR	CALM	PCT	TOTAL
	PCP	.c	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	,c	
	TOT \$	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
	PCP	.0	.0	.7	.0	•0	•0	.0	.0	.0	•0	.7	
1/2<1	NO PCP	.0	.0	•0	.0	•0	•0	•0	•0	•0	•0	.0	
	TOT %	.0	.0	.7	.0	•0	•0	•0	•0	•0	•0	:0	
	PCP	.0	.0	.0	.0	•0	.0	.0	.c	.0	.c	.0	
1<2	NO PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0	
	TOT %	.0	.0	•0	.0	•0	•0	•0	•0	•0	•0	.0	
	PCP	•0	.0	.5	.2	•0	.7	.0	•6	.0	•0	1.4	
2<5	NO PCP	.0	.0	1.2	. 2	•0	•0	.0	•0	•0	•0	1.4	
	TOT *	.0	.0	1.7	.3	•0	.7	.0	•0	•0	•0	2.8	
	PCP	.c	.0	.0	3.5	.7	•0	.0	.0	.0	.0	4.2	
5<10	NO PCP	•0	.0	5.6	2.8	•0	•0	.0	•0	•0	•0	8.4	
	TOT \$	•0	.c	5.6	6.3	•7	•0	.0	•0	•0	•0	12.6	
	PCP	.0	.0	.0	.7	•0	•0	.c	.0	.0	•0	.7	
10+	NO PCP	7.4	6.5	37.6	32.3	2.3	•7	.0	.7	•0	.7	83.2	
	TOT \$	7.4	6.5	37.6	33.0	2.3	.7	.c	.7	• 0	•7	83.9	
	TUT OBS												143
	TOT PCT	2.4	6.5	45.6	39.7	3.0	1.4	•0	.7	•0	•7	100.0	

TABLE 9

					T FREQ WITH VA						<b>E</b> D		
VSBY (NH)	SPD KT\$	N	NE	E	SE	S	5 W	W	NW	VAR	CALM	PCT	TOTAL QBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	•0	•0	•0	٠.	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	•0	.0	.0	.0	.0		.0	
	TOT \$	.0	•0	•0	•0	•0	.0	•0	.0	.9	•0	.0	
	0-3	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
1/2<1	4-10	.0	•0	•0	•0	•0	.0	.0	.0	.0		۰.	
	11-21	.0	•0	•0	•0	•0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	•0	.0	.0	.0	.0		•0	
	TOT #	.0	•0	•7	•0	•0	.0	•0	.0	.0	.0	.7	
	0-3	.0	.0	•0	.0	.c	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	•0	•0	•0	•0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	•0	.ç	.0	.0	.0		•0	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0		•0	
	TOT %	.0	•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	
	0-3	.0	.0	.0	•0	•0	.7	.0	.0	.0	.0	.7	
2<5	4-10	.0	•0	•0	٠¢	•0	.0	.0	.0	•0		.0	
	11-21	.0	.0	1.7	.3	•0	.0	.0	•0	.0		2,1	
	22+	٠.0	•0	. • 0	•0	•0	.0	.0	.0	.0	_	0	
	TOT \$	-0	•0	1.7	•3	•0	.7	•0	•0	.0	•0	2.7	
	0-3	.0	•0	•0	•0	•0	.0	.0	•0	.0	•0	.0	
5<10	4-10	.0	•0	3.4	4.1	•0	.0	•0	.0	.0		7.5	
	11-21	.0	•0	2.1	2.1	•7	.0	.0	.0	.0		4.8	
	22+	•0	•0	.0	0	•0	.0	.0	.0	٠.		0	
	TOT \$	.0	•0	5.5	6.2	•7	.0	.0	.0	.0	•0	12.3	
	0-3	.5	.2	7	.0	.0	٠.0	.0	.0	.0	.7		
10+	4-10	1.9	5.3	16.4	9.6	1.7	.7	.0	.7	.0		36.3	
	11-21	.0	• • •	19.3	23.1	.5	.0	.3	.3	•0		44.5	
	22+	.0	.0	1.0	3	.0	.0	.0	.0	.0	_	1.4	
	TOT \$	2.4	6.3	37.5	33.0	2.2	.7	. 3	1.0	.0	.7	84,2	
	TOT ORS				_								146
	TOT PCT	2.4	6.3	45.4	39.6	2.9	1.4	.3	1.0	.0	.7	100.0	

PAGE 112

C (

4) 5

THE PARTY

JUHE

PERIOD: (PRIMARY) 1864-1969 (OVER-ALL) 1855-1969

TABLE 10

AREA 0002 CHRISTHAS ISLAND 10.05 105.2E

1

# PERCENT FREQUENCY OF CEICING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	150 239	300 599			2000 3499				*000	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00503	.0	.0	9.1	•0	4.5	•0	.0	•0	.0	•0	13.6	86.4	22
96609	.0	.0	•0	3.3	6.7	3,3	.0	.0	•0	•0	13.3	86.7	30
12615	.0	.0	.0	3.2	3.2	9,7	3.2	.0	•0	•0	19.4	80.6	31
18621	.0	.0	.0	10.3	6.9	6.9	٠.	٠.	.0	•0	24.1	75.9	29
101	o o	0	, 2	5	6	5.4	1	0	ç	c	20	92 82.1	112

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y V\$8Y	(NH)	ay Hejr		CUMULAT					VSBY (NH)	
HOUR (CHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TCTAL CBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	.0	3.8	11.5	84.6	26	00203	.0	9.1	9.1	4.5	86.4	22
90360	•0	2.5	•0	.0	7.5	90.0	40	90360	•0	3.6	3.6	10.7	83.7	28
12615	•0	.0	.0	4.7	11.6	83.7	43	12115	.0	.0	10.3	13.8	75.9	29
18621	•0	.0	.0	2.7	16.9	78.4	37	18821	.0	.0	11.1	14.8	74.1	27
TOT PCT	.0	. 7	.0	2.7	18 12.3	123	146	TOT PCT	, C	3 2.8	8.5	12 11.3	85 80.2	106

TARLE 13

TABLE 14

PERC	ENT FR	EOUENC	Y OF R	ELATIV	E HUNI	DITY B	Y TEMP	TOTAL	047		PERC	ENT FI	EQUENC	Y OF W	IND DII	RECTION	8 Y T	EMP	
0-29	30-39	40~49	50-59	60-69	70-79	80-89	90-100		FREQ	н	NE	Ε	SE	S	SH	w	NW	VAR	CALM
.0	.0	.0	•0	8.3	2.8 35.2 6.5	27.8 6.5	3.7 6.3	23	21.3	.0 .9 .7	.0 5.3 1.2	2.8 39.4 9.3	28.7 7.4	.0 .7 1.9	.0	.0	.0	•0	.0
								100	100.0	1.6	6.5	51.4	36-1	2.5	•0	•0	.9	•0	.9
	0-29 .0 .0	0-29 30-39 .0 .0 .0 .0	0-29 30-39 40-49 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 .0 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 .0 .0 .0 .0 .0 .0 .0 .0 .9 8.3 .0 .0 .0 .0 .0 0 0 0 1 6	0-29 30-39 40-49 50-59 60-69 70-79  .0 .0 .0 .0 .0 .0 2.8  .0 .0 .0 .9 8.3 35.2  .0 .0 .0 .0 .0 6.5  0 0 0 1 5 48	0-29 30-39 40-49 50-59 60-69 70-79 80-89 .0 .0 .0 .0 .0 .0 2.8 .0 .0 .0 .0 .9 8.3 35.2 27.8 .0 .0 .0 .0 .0 6.5 6.5 0 0 0 1 5 8 37	.0 .0 .0 .0 .0 .0 2.8 .0 .6 .0 .0 .0 .9 8.3 35.2 27.8 3.7 .0 .0 .0 .0 .0 6.5 6.5 6.3 0 0 0 1 5 48 37 13	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 QBS  .0 .0 .0 .0 .0 .0 2.8 .0 .6 .0 .0 .0 .9 8.3 35.2 27.8 3.7 82 .0 .0 .0 .0 .0 6.5 6.5 8.3 23 0 0 0 1 9 48 37 13 108	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 GBS FREQ  .0 .0 .0 .0 .0 .0 2.8 .0 .6 3  .0 .0 .0 .0 .9 8.3 35.2 27.8 3.7 82 75.9  .0 .0 .0 .0 .0 6.5 6.5 8.3 23 21.3  0 0 0 1 9 48 37 13 108 100 100 100	O-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 GBS FREQ N  .0 .0 .0 .0 .0 .0 2.8 .0 .6 3 2.8 .0  .0 .0 .0 .9 8.3 35.2 27.8 3.7 82 75.9 .9  .0 .0 .0 .0 .0 6.5 6.5 8.3 23 21.3 .7  0 0 0 1 9 48 37 13 108 100 100 100	O-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 GBS PREQ N NE  O O O O O O O O O O O O O O O O O O O	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 QBS FREQ N NE E  .0 .0 .0 .0 .0 .2.5 .0 .0 .3 2.5 .0 .0 .0 2.8 .0 .0 .0 2.8 .0 .0 .0 2.8 .0 .0 .0 .0 2.8 .0 .0 .0 .0 2.8 .0 .0 .0 .0 .0 2.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS PREQ N NE E SE  .0 .0 .0 .0 .0 .0 2.8 .0 .0 3 4.8 .0 .0 2.8 .0  .0 .0 .0 .0 .9 8.3 35.2 27.8 3.7 82 75.9 .9 5.3 39.4 28.7  .0 .0 .0 .0 .0 6.5 6.5 8.3 23 21.3 .7 1.2 9.3 7.4  0 0 0 1 5 48 37 13 108 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 GBS PREQ H NE E SE S  .0 .0 .0 .0 .0 .0 2.8 .0 .0 3 4.8 .0 .0 2.8 .0 .0  .0 .0 .0 .0 .9 8.3 35.2 27.8 3.7 82 75.9 .9 5.3 39.4 28.7 .7  .0 .0 .0 .0 .0 6.5 6.5 8.3 23 21.3 .7 1.2 9.3 7.4 1.9  0 0 0 1 5 48 37 13 108 100.0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 GBS FREQ N NE E SE S SM  .0 .0 .0 .0 .0 .2.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	O-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 QBS FREQ N NE E SE S SM M  O .0 .0 .0 .0 .2.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ N NE E SE S SN N NN  .0 .0 .0 .0 .0 .2.5 .0 .0 .0 3 i.6 .0 .0 2.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ

TARLE 15

TABLE 16

	MEANS,	EXTREM	FS AND	PERCE	ITILES	OF TE	4P (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UHIDITY	BY HOUR	t
HOUR (GMT)	MAX	908	752	50%	51	14	HIN	MEAN	TOTAL OBS	HDUR (GHT)	0-29	30-59	60-09	70-79	80-89	90-100	MEAN	TOTAL
00603 06609 12615 18621	85 90 66 85	84 88 85 84	83 83 82	81 82 81 80	77 78 78 77	75 76 75 73	75 75 74 73	80.3 81.5 80.6 79.9	123 322 147 234	00£03 06£09 12£15 18£21	•0	.0 3.1	9.1 14.8 6.3 3.7	40.9 51.9 37.5 48.1	36.4 25.9 40.6 33.3	13.5 7.4 12.5 14.8	80 77 80 80	22 27 32 27
TOT	90	86	84	81	77	75	73	8C-7	826	TOT	Ö	ĭ	9	48	37	13	79	108

JUHE

PERIOD: (PRIMARY) 1864-1969 (DVER-ALL) 1855-1969

TABLE 17

AREA 0002 CHRISTHAS ISLAND 10.05 105.2E

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE GF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA /3 77 81 85 TGY #	MD.
THP DIF 70 00 84 85 FOG	FOC
	_
7/8 .0 .0 .8 .0 1 .0	.8
5 .0 .0 .0 .8 1 .0	. 8
	. 8
4 .0 .0 .0 .8 1 .0 3 .0 .0 3.1 .0 4 .0 2 .0 .8 9.2 .8 14 .0 1 .0 2.3 11.5 .0 18 .0	3.1
2 .0 .8 9.2 .8 14 .0	411.7
1 .0 2.3 11.5 .0 18 .0	13.7
0 .0 6.9 14.5 .0 28 .0	21.4
0 10 011 1415	
-1 .0 11.5 6.9 .0 24 .0	18.3
-2 .8 9.9 6.9 .0 23 .0	17.6
-2 .8 9.9 6.9 .0 23 .0 -3 .8 3.8 2.3 .0 9 .0	6.9
-5 .0 1.5 .8 .0 3 .0	2.3
-6 .0 .8 .0 .0 1 .0	. 8
-7/-8 .0 .8 1.5 .0 3 .0	2.3
-11/-13 .8 .0 .0 .0 1 .0	. e
TOTAL 3 75 0	131
50 3 131	
	00.0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

				PC	T FREO D	F WIND	SPEED	(KTS) AN	n DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	N 22~33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT	
<1	.0	.0	.0		.0	.0	.0		.0	•0	.0	•0	•0	.0	.0	
1-2	.0	.0	.0	.0	. ၁	.0	.0		٠,	3.9	.0	.0	•0	.0	3.9	
3-4	.0	.0	.0	.0	. 0	.0	.0		.0	2.2	.0	.0	•0	.0	2.2	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	•0	.4	.0	•0	.0	.4	
7	٠.	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	•0	.0	•0	
2-7	.0	•0	.0	.0	٠.٥	.0	.0		• 0	• 0	.0	.0	•0	•0	•0	
10-11	٠.	.0	•0	.0	.0	.0	•0		.0	• 0	•0	.0	•0	•0	•0	
12	•0	.0	•0	.0	.0	.0	•0		• 0	•0	.0	-0	•0	•0	•0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	• 0	.0	•0	•0	•0	•0	
17-19	•0	.0	.0	.0	.0	.0	• 0		.0	•0	.0	•0	•0	.0	•0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	:0	.0	•0	•0	.0	•0	
23+25	.0	.0	.0	.0	.0	.0	.0		•0	•0	.0	.0	•0	•0	•0	
26-32	.0	.0	•0	.0	.0	.0	•0		•0	•0	•0	•0	•0	.0	•0	
33-40	•0	.0	•0	٠.	.0	.0	•0		• 0	•0	•0	•0	•0	-0	•0	
41-48	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	•0	•0	.0	•0	
49-60	.0	.0	.0	.0	.0	•0	•0		•0	.0	•0	•0	•0	•0	.0	
61-70	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	.0	•0	.0	•0	
71-86	.0	.0	•0	.0	٠,٥	.0	•0		•0	•0	.0	•0	•0	.0	•0	
87+	.0	.0	.0	.0	.0	•0	•0		• 0	. • 0	•0	•0	•0	•0	•0	
TOT PCT	•0	.0	•0	.0	.0	•0	•0		•0	6.1	.4	•0	•0	•0	6.6	
												SE				
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22+33	34-47	48+	PCT	
<1	.0	.0	•0	.0	.0	.0	.0		•0	•0	•0	•0	•0	.0	.0	
1-2	1.8	9.6	.0	.0	.c	.0	11.4		.0	11.0	2,2	.0	•0	.0	13.2	
3-4	.0	2.6	13,2	.0	.0	.0	15.8		.0	2.2	7.9	•0	•0	بَ ،	10.1	
5-6	.0	1.8	9.6	1.3	.0	•0	12.7		.0	•0	5.7	••	•0	٠.	6.1	
7_	.0	.0	9.6	.0	.0	•0	9.6		•0	•0	4.4	•0	•0	•0	4.4	
8-9	•0	٠,	1.8	٠.	.0	•0	1.8		•0	•0	•0	•0	•0	.0	•0	
10-11	•0	.0	1.8	.0	.0	٥.	1.6		•0	•0	•0	•0	•0	•0	•0	
12	•0	.0	.0	.0	.0	.0	•0		•0	•0	•0	•0	•0	.0	•0	
13-16	•0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
17-19	•0	.0	•0	.0	•0	.0	•0		•0	:0	.0	•0	•0	•0	•0	
20-22	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
23-25	.0	.0	•0	.0	.0	• 0	•0		•0	•0	.0	•0	•0	.0	•0	
26-32	.0	.0	•0	.0	•0	.0	•0		• 0	•0	•0	•0	•0	.0	•0	
33-40	.0	.0	•0	.0	•0	.0	•0		•0	•0	•0	•0	•0	•0	٠,٥	
41-48	.0	.0	.0	.0	.0	•0	•0		•0	.0	•0	•0	•0	•0	•0	
49-60	•0	.0	•0	٠0	.0	•0	•0		٠٥		.0	•0	•0	•0	•0	
61-70	•0	.0	•0	•0	•0	•0	•0		•0	.0	•0	•0	•0	, o , o	.0	
71-86	•0	.0	.0	•0	.0	•0	•0			.0	.0	•0	•0		.0	
87+	0	0	0	0	.0	•0			.0	13.2	20.2	•0	•0	,0 .0	33.8	
TOT PCT	1.8	14.0	36.0	1.3	.0	•0	53.1		.0	1206	43+5	.4	•0	.,	25.0	

PAGE 114

6 6

 $\mathcal{O}$ 

									JUNE							
PERIOD:	COVE	R-4LL)	1963-1	1909				TABLE	18 (CON	T)			AREA	10.	CHRISTH OS 105	AS ISLAND
				PC	T FREG	OF WIND	SPEED	(KTS)	AND DIR	RETION	VERSUS	SEA HEIG	SHTS (FT	1		
HGT	1-3		11-21	S 22-33	34-47	49•	PCT		1-3	4-10		Sh				
<1	.0	4-10	•0	.0	.0	•••	-0		.0				34-47	48+	PCT	
1-2	.0	1.8	1.3	.0	.0	.0	3.1		٥			.0	•0	••	•0	
3-4	.ŏ	•.0		ŏ	.0	:ŏ			ě				•0	.0	.0	
5-6			1.6	.0	Ď		1.8		ň	.0			•0	.ŏ	.0	
7	.č	.0		.ŏ	ŏ									ě		
8-9		.0	•0	.0	.5	.0	.0		. 5				.0	.0	.0	
10-11	.0	.0	•0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
12	.0	.0	•0	.0	.0	.0	.0		.0	.0			•0	.0	•0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0		. 0		•0	.0	•0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0				•0	.0	•0	
20-22	٠.	.0	.5	.0	.0	•0	٠.		۰,			.0	.0	.0	.0	
23-25	.0	.0	•0	.0	.0	.0	•0		•c			.0	•0	.0	•0	
26-32	.0	.0	•0	.0	.0	.0	.0		•0			.0	•0	.0	.0	
33-40	٠.	.0	•0	.0	.c	.c	•0		.0				.c	.0	•0	
41-48	.0	.0	•0	. 2	•0	.0	•0		.0				•0	.0	•0	
49-60	.0	.0	•0	•0	.0	.0	•0		•0				•0	.0	.0	
61-70	.0	.0	•0	•0	.0	.0	.0		.0				•0	.0	•0	
71-86	•0	.0	•0	•0	••	.0	•0		.c				•0	•0	.0	
87+	•0	0	0	•0	.0	.0	•0		.0				•0	•0	• 0	
TOT PCT	.0	1.6	3.1	•0	•0	٠.	4.6		•0	•0	• • • • • • • • • • • • • • • • • • • •	•0	•0	•0	.0	
				w								Ne				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3			22-33	34-47	48+	PCT	PCT
<1	•0	.0	•0	.0	.0	.0	•0		.0			.0	•0	.0	.0	
1-2	•0	.0	•0	•0	.0	•0	•0		•0				•0	.0	•0	
3-4	·ç	.0	•0	•0	• 2	•0	•0		.0				•0	•0	•0	
5-6	.c	.0	•0	•0	.0	•0	•0		.0				•0	٠.٥	•0	
7 8-9	•0	.0	.0	.0	•0	•0	•0		•0				•0	.0	•0	
10-11	.0	.0	•0	.0	••	•0	•0		•0				•0	•0	•0	
12	.0	.0	•0	•0	.0	•0	•0		.0				•0	•0	•0	
13-16	.0	:0	•0	.0	.0	•0	•0		.0				•0	.0	• • • •	
17-19	ĕ	:0	.0	.0	.0	.0	•0		.0				•0	.0	•0	
20-22	.0	.ŏ		.ŏ	.0	.0	.0		.0				•0	.0		
23-25	·ŏ	.ŏ		.ŏ	ŏ								•	.0	•0	
26-32	.0		.0	.ŏ	.0	.0	.0		.ŏ				•0	.0	••	
33-40	.0		.0	.0	.,	.0	.0		.0				.0	.ŏ		
41-48	.c	.ŏ	.0			.0	.0		.0				•0		.0	
49-60	.0	.ŏ	.0	.0	.5	.0	.0		, ,				.0		.ŏ	
61-70	.0	.0	.0	.0	.0	.0	•0		.0				.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	•0		.0				•0		.0	
87+	.0	.0	.0	.0	.0	.0	.0		,0				.0	.0	.0	
TOT PCT	.0	.0	•0	•0	.0	•0	•0		.0		• • •		•0	•0	.0	98.2

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0~3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.8	.0	.0	.0	.0	.0	1.8	035
1-2	i.	26.3	3.5	ö	.0	.0	31.6	
3-4	0	7.0	21.1	.0	.0	.0	28.1	
5-6	.ŏ	1.8	17.5	1.6	.0		21.1	
7	·ŏ		14.0		.š		14.0	
8-9	.ŏ	.0	1.0			-,0	1.8	
10-11		.0	1.8		.ŏ	.0		
12	.0	:5			.,		1.8	
13-16	.0		•0			.0	•0	
		•0	•0		.0	•0	,0	
17-19	•0	•0	.0		.0	.0	•0	
20-27	.0	.0	٠.	.0	.0	.0	.0	
23-25	.0	•0	•0	.0	•0	.0	.0	
26-32	•0	.0	.0	•0	.0	.0	.0	
33-40	.0	•0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.a	•0	.0	.0	
49-00	.0	•0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0			
71-86	.0	.0	.0	.0	.0		.0	
97+	.0	.0	. 0	.0	.0		.0	
		• • •		•-		••	•••	57
TCT PCT	3.5	35.1	59.6	1.8	.0	.0	100.0	•

PERIOD: (OVER-ALL) 1949-1969 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) <0 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 3-4 5-6

2.2 2.2

7.5 8.6

.0 8.6

.0 1.1

.0 .0

.0 1.1

2.2 2.2

11 22

11.8 23.7 1-1 1-2

1-1 15-1
-0 3-2
-0 -0
-0 -0
-0 -0
-0 -0
-0 2-2
1 19
1-1 20-4 TOTAL 19 32 24 6 3 1 8 93 100.0 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-40 •7+ .0 .0 .0 .0 .0 2.2 8.6 8.6 1.1 .0 1.1 2.2 22 23.7 .0 9.7 11.8 1.1 1.1 .0 2.2 24 25.8 .0 5.4 1.1 3.2 1.1 .0 .0 .0 .0 1.1 1.1 .0 .0 4.3 000000000 ....... 0000000000 ...... ........ 0000000000 ....... ......

JULY

PERIOD: (PRIMARY) 1863-1971 (OVEP-ALL) 1854-1971

TABLE 1

AREA 0002 CHRISTHAS ISLAND 10.05 105.3E

PERCENT I	FREGUENCY	OF	MEATHER	OCCURRENCE	27	WIND	DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND,DIR	RAIN	RAIN SHWR	DRZI	FRZG PCPN	SNOW	OTHER FRIN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTHG	FOG PO PCPN	FUG WO PCPN PAST HR	SHOKE	SPRAY BLWG DU: BLWG SNI	
h	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100,0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
É	.0	٥.	.0	.0	.0	.0	.0	.0	6.7	.0	1.9	.0	.0	.0	91.4
ŠE	3.8	.0	.0	.0	.0	.0	.0	3.6	6.0	.c	3.4	.0	•0	.0	86.5
Š	.0	.0	.0	.0	•0	.0	.0	.0	20.0	.0	.0	.0	•0	.0	80.0
Šw	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	•0	.0	100.0
¥	.0	.0	.0	.0	٠.٥	.0	٠.	.0	•0	.0	.0	.0	.0	.0	.0
Ñw	.0	.0	.0		.5	.0	.0	.0	.0	.0	• 0	.0	•0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•c	•0		.0
CALM	.0	.0	.0	.0	.0		.c	.0	.0	.0	.0	.0	•0		.0
TOT PCT TOT DBS:	2.1 145	.0	.0	•0	•0	.0	•0	2.1	6.2	•0	2.4	•0	•0	•0	99.0

TABLE 2

PERCENT PREQUENCY	DF	WEATHER	SCCURRENCE	<b>8</b> Y	HOUR	
-------------------	----	---------	------------	------------	------	--

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN Shur	DRZL	PPZG PCPN	SNOR	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCFY PAST HOUR	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY RLNG DUST BLNG SNOW	ND SIG WEA
00603 06609 12615 18621	.0	.0	.0 .0 .0	.0 .0 .0	.0	.0	•0 •0 •0	4.8 0.0	3.7 2.2 4.6 10.0	.0	2.9 4.4 2.9	.0	•0	•0	62.9 93.3 88.6 90.0
TOT PCT	2.1	.0	.0	.0	.0	.0	•0	2.1	6.2	.0	2.8	•0	•0	•0	69.0

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR				D (KND 22-33		48+	TOTAL	PCT	MEAN	00	03	Oé.	HOUR 09	(GMT)	15	18	21
WIND DIS	0-3	4-10	11-21	22-33	34-41	***		RFQ	SPD	00	0,5	VB	•	16	13	1.	4.
N	.2	.6	.0	.0	•0	.0		. 9	5.6		.0	2,5	.0	.6	.0	.6	.0
NE	.4	2.2	3.3	.7	.1	•0		6.7	13.4	7.4	•0	7.1	7.7	5.5	•0	4.3	4.7
E	.4	6.8	38.6	13.7	1.1	.0	61	0.6	17.5	58.5	•0	56.3	63.0	60.0	50.0	61.6	69.7
SE	.1	4,6	17.6	5.4		.0	2	8.5	16.9	32.0	•0	28.2	24.5	30.9	50.0	29.1	23.5
Š	.3	. 5	1.2	.0	.2	.0	-	2.3	13.7	1.3	•0	2.6	1.6	3.0	• 0	2.4	2 • 1
Š'n	.2	.1		.0	,õ	.0		.4	5.5	.7	•0	.6	1.0	•0	.0	.0	.0
¥	.1	.0	.0	.0	, o	.0		.1	2:0	•0	•0	.4	•0	•0	.0	.0	.0
Ñw	.2	.4	.0	.0	.0	.0			5.2	•0	•0	2,3	.0	•0	•0		•0
VAR		.0	.0	.0	.ŏ	.0		.0	ō	•0	•0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	•0	.0	.0	.0	•0	.0	.0	.0
TOT OBS	18	135	541	176	19	0	889		16.7	135	0	240	76	165	2	134	117
TOT PCT	2.0	15.2	60.9	19.8	2.1	•0	10	0.0		100.0	•0	100.0	100.0		100.0	100.0	100.0

TABLE 3A

WHD DIR	0-6		SPEED 17-27	(KNCTS) 28-40	41+	TOTAL Des	PCT FREQ	MEAN SPD	00 03	HDUR 06 09	(GHT) 12 15	18 21
N NE	:6 :7	.3 3.8	1.9	.0	.0		4.7	5.6 13.4	7.4	1:8	5.4	5.6
Ê	1.8	20.5	33.9	4.3	.ŏ		60.0	17.5	58.5	58.2	59.9	45.3
ŠE	1.2	11.1	.14.4	1.7	.0		28.5	16.9	32.0	27.2	31.1	26.5
5	. 6	• 7		.2	.0		2.3	13.7	1.3	2.3	3.0	2.3
Sw	.3	.1	•0	.0	٠ò٠		.4	5.5	.7	.7	.ò	•0
W	.1	•0	.0	.0	.0		•1	2.0	.0	.3	.0	•0
NW	.4	•2	.0	.0	.0		.6	3.2	.0	1.6	.0	•0
VAR	.0	•0	•0	.0	.0		.0	.0	.0	.0	.0	•0
CALM	.0						.0	.0	.0	.0	.0	•0
TOT DAS	51	326	454	58	0	887		16.7	135	336	167	251
TOT PCT	5.7	36.7	51.1	6.5	.0		100.0		100.0	100.0	100.0	100.0

PAGE 116

€

(1) (i)

		ŕ	v

							JULY					
PERIOD: (PRIMA	ARY) 1863-197 -ALL) 1854-197						TARLE 4				AREA	9002 CHRISTMAS ISLAND 10.05 105.3E
			PFR	CENTAGE	FREQU	ENCY OF	WIND SI	EED BY	HOUR	(GPT)		
	HOUR	CAL	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL OBS	
	00603 06609 12615 18621 TOT PCT	•••	3.3 2.4 1.2 18 2.0	17.0 14.0 18.0 13.9 135 15.2	63.0 62.2 58.7 59.4 541	18.5 17.4 24.1	2.1 3.6 1.2	.0	16.4	100.0 100.0 100.0 100.0	135 336 167 251 889	

			T.	ABLE 5								T,	BLE 6					
•	CT FRE			CLOUD A		EIGHTHS)		1					CEILIN NH <5/					
WND DIR	0 <b>-</b> 2	3-4	5-7	8 & C	TCTAL CBS	MEAN CLOUD COVER	000 149	150 290	300 499	606 <b>444</b>	1000	2000 3499	3500 4999	5000 6499	6500 7999	÷0003	NH <5/8 ANY HGT	
N	.0	.0	.6	•0		7.0	.0	.0	.0	.6	.0	.0	.0	•0	•0	.0	•0	
NE	3.2	1.1	1.5	•0		3.0	•0	•0	.0	. 2	1.1	.2	.0	•0	•0	•0	4.2	
E	13.8	9.3	11.9	. 8		3.5	• 0	•0	.0	*0	•	3.5	3.2	•0	•0	•0	28.2	
\$ E	12.1	10.0	24.8	7.0		4.8	•0	. 1	1.1	3.4	6.6	4.2	1.1		•0	• 3	35.6	
5	.6	• 0	1.9	•6		5.8	•0	•0	. 6	•0	•0	1.9	•0	•0	•0	•0	• •	
Sir	. 8	•0	•0	•0		2.0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	. 8	
¥	.0	.0	.0	•0		.0	-0	•0	.0	•0	•0	•0	.0	•0	•0	.0	•0	
MM	.0	.0	.0	•0		•0	•0	• 0	.0	•0	•0	•0	.0	•0	•0	•0	•0	
VAR	.0	.0	.0	• 0		•0	•0	•0	.0	•0	.0	.0	.0	•0	•0	.0	•0	
CALM	• 2	.0	.0	.0		•0	•0	•0	.0	.0		• 7	.0	•0	•0	.0	•0	
TOT DES	36	24	40	10	118	4.2	٥	1	2	5	10	12	5	1	0	0	82	118
TOT PCT	30.5	20.3	40.7	8.5	100.0		•0	. 8	1.7	4.2	8.5	10.2	4.2		•0	•0	69.5	100.0

TARLE 7 CUNDESTIVE PCT PRES OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH )4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	· OR	• DR	• DA	= OR	→ DR	- 12	• 3R	AC =
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
- DR >6900	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >5000	. 8	.8	. 8		. 8	.0	. 8	
■ DR >3500	2.5	5.1	5.1	5.1	5.1	5.1	5.1	5.1
■ DR >2000	1.5	12.7	15.3	15.3	15.3	15.3	15.3	15.3
. DR >1000	15.3	21.2	23.7	23.7	23.7	23.7	23.7	23.7
• DR >600	19.5	25.4	28.0	28.0	28.0	28.0	28.0	29.0
■ JR >300	21.2	27.1	29.7	29.7	29.7	29.7	29.7	29.7
• GR >150	21.2	28.0	30.5	30.5	30.5	30.5	30.5	30.5
• DR > 0	21.2	28.0	30.5	30.5	30.5	30.5	30.5	30.5
TOTAL	25	"	36	16	36	36	36	36

PCT FREQ NH <5/81 69.5 TOTAL NUMBER OF OBS: 118

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

1 2 3 4 5 6 7 8 OBSCD OBS 3.1 14.1 17.2 19.5 16.4 10.9 10.2 5.5 3.1 .0 128

							TAR	LE 8				ARE	A 0992 CHRISTHAS ISLAND 10.05 105.3F
		P	RCENT										E OF
/55Y (NH)		•	4.E	F	Se	5	<b>5~</b>	4	44	747	CAL"	PCT	TOTAL OBS
<1/2	PCP NO PCP	.0	.0	•0	.0	.0	:6	•0	•0	•0	•0	.0	
		-		-		-		-		-		-	
1/2<1		.c	.0	.0	.9	•0	• 0	.0	.5	.0	•0	.0	
1<2	PCP NO PCP TOT %	::	.c .c	.0 .0	•0	.0	•0	000	•0	.0	•0	.0	
2<5	PCP NO PCP TOT %	:c .c	.0	.0 .5	.0 .5 .5	.0 1.0 1.0	• • • • • • • • • • • • • • • • • • • •	.0	.0	.0	•0	.0 2.1 2.1	
5<10	PCP NJ PCP TOT %	.c	•0	.0 5.0 6.0	1.4 3.6 5.2	.0 .5	•0	.0	•0	.0 .0	•0	10.3	
10+	PCP NO PCP TOT \$	:;	5.2 5.3	2°.5 29.5	.7 44.4 49.1	.0 1.0 1.0	:? :?	0.0	.0	.0	•0	.7 85.5 86.2	
	/SSY (NM) <1/2 1/2<1 1<2 2<5 9<10	CMH   PCP	COVER-ALL) 1854-1971	COVER-ALLY 1854-1971	COVER-ALL) 1854-1971	COVER-ALL) 1854-1971	PPRCENT FREQ OF WIND DIRECT PRECIPITATION WITH PR	TAR   PPRCENT FREQ OF WIND DIRECTION V PRECIPITATION WITH VARY   ME   F   SE   S   S   S   S   S   S   S   S	TABLE 8   PRICENT FREQ OF WIND DIRECTION VS DICOUPRECIPITATION MITH VARVING	TABLE 6   PRICENT FREQ OF WIND DIRECTION VS DISCURRENCE PRECIPITATION WITH VARYING VALUES (VINE)   VIE   F   SE   S   SY   Y   YA   YA   YA   YA   YA	TABLE 8   PRICENT FREQ OF WIND DIRECTION VS DISCURRENCE OR N PRECIPITATION WITH VARYING VALUES OF VIS	TABLE	PPRCENT FREQ OF WIND DIRECTION VS DECURRENCE OR NON-DOCTURENCE (NM)   NE

TABLE 9

.7 .C .G .O .O 100.C

VSBY (NM)	SPD KTS	N	NE	E	SE	\$	SH	W	NW	VAR	CALM	PCT	TOTAL
1447	0-3	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.c	903
<b>c</b> 1/2	4-10	.0			.0	.0		.0	.0	.0	•••	ě	
•	11-21	.0			.0	.0		.ŏ	.ŏ	.0			
	22+	.õ			.0	.0		.0	.0	::		.ŏ	
	TOT \$	.0	.0	.0	.0	.0	.0	.0	.0	.c	.0	ò	
	0-3	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	. 0	٠,	.0		.0	
	11-21	.c	.0	.0	.0	.0	.0	.0	٠,			. 0	
	22+	.0	.0	٠.	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	•0	.c	•0	•0	.0	٠.	.0	.0	•0	.0	
	0-3	.0	.0	.0	.0	.0	.0	٥.	.0	.0	.5	.0	
1<2	4-10	•0	• 0	.0	•0	•0	٠.	٠.٥	•0	٠,		.0	
	11-21	.0	. 0	•0	•0	•0	•0	•0	٠,	.0		.0	
	22+	٠.	• 0	.0	•0	.0	٠,٥	.0	••	.0		.0	
	TOT \$	.0	•0	•0	•0	0	•0	.0	.0	•0	-0	٠.	
	0-3	.0	•0	.0	•0	•0	.0	٠.٥	.0	.0	.0	٠.	
2<5	4-10	•0	•0	.0	•0	•0	•0	•0	•0	.0		0	
	11-21	.0	•0	.5	, 5	.9	•0	.0	•0	.0		1.9	
	22+	.0	.0	•0	.0	•0	.0	.0	.0	.0		0	
	TOT \$	.0	••	.5	.5	•3	•0	.0	.0	.0	•0	1.9	
	0-3	.0	-0	•0	•0	•0	.0	.0	.0	.0	٥	.0	
5<10	4-10	.0	•0	1.3	.0	•0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	3.9	5.6	.5	.0	.0	.0	.0		10.0	
	22+	•0	.0	1.3	.0	•0	.0	.0	.0	.0		1.3	
	TOT %	.0	•0	6.4	5.6	.5	•0	.0	.0	.0	.0	12.5	
	0-3	.0	.6	6	0	•0	.0	.0	.0	.0	.0	1,3	
10+	4-10	٠,	3.4	10.9	9.1	. 5	•0	•6	.0	.0		24,4	
	11-21	.0	1.7	19.6	33.6	.5	.6	-0	.0	•0		56.3	
	22+	.0	0		3.8	•0	٠,	.0	.0	.0	_	3.	
	TOT %	.5	5.8	31.4	46.4	•9	.6	•0	.0	.0	•0	85.6	
	TOT OBS								•	•		100 0	16

PAGE 118

•

The State of the S

PERIGD:	(PRIMARY)	1863-1971
	(fluckmett)	1854-1971

TABLE 10

APEA 0002 CHRISTHAS ISLAND 10.05 105.3E

PERCENT	FREQUENCY OF	CFILING	HELGHTS	(FEET, NH	>4/81	AN
	ハハハリカカウ	SUCE RE M	U /8/8 6:			

HOUR (GHT)	000 149	150 299							6500 7 <b>99</b> 9		TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	3.1	3.1	3.1	3.1	12.5	3.1	3.1	.0	•0	31.3	68.8	32
<b>90330</b>	.0	.0	2.6	2.6	15.8	2.6	7.9	.0	.0	•0	31.6	68.4	38
12615	.0	.0	.0	3.6	7.1	17.9	3.6	•0	.0	•0	32.1	67.9	28
18621	.0	.0	.0	7.1	3.6	7.1	.0	.0	.5	•0	17.9	82.1	20
TOT	0	1	. 2	5	10	12	. 5	1	0	0	36	90	126

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HCUR		CUMULAT					VSBY (NP)	
HOUR (GMT)	<1/2	1/2<1	147	2<5	5<10	10+	TOTAL CSS	HBUR (GHT)	<150 <50YD	<\$00 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL UBS
60300	.5	.0	••	.0	10.3	44,7	30	60603	.0	6.7	10.0	23.3	66.7	30
00300	.0	.0	.0	.0	16.0	84.0	50	90340	.0	2.8	5.6	27.8	66.7	36
12615	•0	.0	.c	5.4	0.1	96.5	37	12615	.0	.0	10.7	21.4	67.9	20
18621	.0	.0	.c	2.9	14.7	82.4	34	18621	۰,	•0	12.5	8.3	79.2	24
TOT	0	•	c •0	3	2C	137	160 100-0	TOT PCT	٠ • ٥	2.5	11 v.3	25 21.2	82 69.5	118

TARLE 13

TABLE 14

	PERC	ENT FRE	OUENCY	OF R	ELATIVE	HUMI	SITY B	Y TEMP	****			PERC	ENT FR	EQUENCY	OF WI	ND UI	RECTION	84 T	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100	TOTAL DBS	PREG	N	NE	E	SE	\$	SW	¥	NW	YAR	CALM
85/89	.0	.0	.0		٠,	1.7	.0	.0	3	2.5	.0	.0	2.3	•2	.0	.0	.0	.0	•0	.0
80/84	.0	.0	.0	•0	5.9	24.4	11.8	4.2	55	46.2	.0	2.5	18.9	22.9	1.9	.0	.0	۰.	.0	٠.
75/77	.0	.0	.0	.0	1.7	17.6	23.5	5.0	57	47.9	. 6	3.2	16.6	25.4	1.3		.0	.0	.0	.0
70/74	.0	.0	.0	.0	•0	2.5	.0		4	3.4	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0
TOTAL	0	Ō	0	1	•	55	42	12	119	100.0										
PCT	.0	.0	.0		7.6	44.2		10.1			.6	5.7	37.8	51.9	3.2	. 3	•0	.0	.0	.0

TABLE 15

TABLE 16

	MEANS,	EXTREM	S AND	PERJER	TILES	OP TE	4P (DE	G F) E	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOUR	
HOUR (GMT)	MAX	99%	95%	508	91	1=	MIN	HEAH	TOTAL DBS	HOUR (GMT)	0-29	30-59	+0-69	70-79	80-89	90-100	MEAN	TOTAL OBS
60300	84	83	82	79	77	73	74	79.0	131	00803	.0	.0		35.5	45.2	19.4	82	31
90340	8.6	86	84	80	77	74	71	40	324	90340	.0	2.9	14.3	65.6	11.4	2.7	75	35
12615	90	ก	82	79	76	73	70	79.1	161	12615	•0	•0	11.1	33.3	44.4	11.1	80	27
18221	83	82	81	79	76	74	73	78.7	240	18621	.0	.0	3.8	42.3	46.2	7.7	80	26
TOT	90	19	11	79	74	74	70	70.5	854	TAT		1		45	42	12	79	110

JULY

PERIODI (PRIMARY) 1863-1971 (OVER-ALL) 1854-1971

TABLE 17

AREA 0002 CHRISTMAS ISLAND 10.05 105.3E

PCT FRFO UP AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFFRENCE (DEG F)

AIR-SEA	69	73	77	81	85	89	TOT	w	40
THP DIF	72	76	80	44	86	92		FÖG	FÖG
9/10	.0	•0	.8	.0	.0	. 8	2	.0	1.7
4	.0	.0	. 5	.0	. 5	.0	ĭ	.0	. 8
3	.0	•0		. 8	.č	•0	ž	·c	1.7
3 2	.0	•0	3.4	. 8	1.7	.0	7	ö	5.9
1	.0	• 0	5.9	7.6	.0	•0	16	•0	13.6
0	.0	.0	16.1	10.2	.0	.0	31	2.5	23.7
-1	.0	•0	16.1	. 0	.0	.0	žô		16.1
-2 -3	.0	1.7	4.2	7.4	.0	•0	16		13.6
-3		1.7	6.8	. 0	ů	ě	iz	č	10.2
-4		.0	2.5	. 8	.0	.0	• • • • • • • • • • • • • • • • • • • •	:0	4.2
-5		. 8	3.4	.0	.0	.0	3		
-6								•0	4.2
	.0	. 8	.0	•0	.0	.0	1	•0	. 8
ZOTAL	2		71		3			4	114
		6		35		1	118		30.
PCT	1.7	5.1	60.2	29.7	2.5	.i	100.0	3.6	96.6

PERIOD: (DVER-ALL) 1963-1971

11日本品品级

TABLE 18

				PC	CBR4 T	OF HIND	SPEED	(KTS)	AND DIRE	V POITS	ERSUS S	EA HEIG	HTS (FT	1	
HGT	1-3	4-10	11-21	N 22-33	34-47		••-					NE			
<1	.c	.0	.0			***	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	ĕ		•0	.0	.0	•0	•0		•0	.0	.0	٠٥.	•0	٠.	•0
3-4	ŏ	.0	.0	.0	:0	.5	.0		•0	5.6	.0	•0	.0	•0	2.6
5-6	.0				ě	:3	:0		•0	:0	1.0	.0	•0	.0	1.0
7	.0	.0	.0	.0	.õ		.0		.0	.0	2.6	.0	•0	.0	2.6
1-7	.0	•0	.0				.0		.0	.0	.0	.0	•0	.0	•0
10-11	. 6	.0	.0		.0		.0		.0	."	•0	•0	•0	.0	•0
12	.0	.0	.0	.ŏ	.ŏ		.0		.0	.0	•0	•0	•0	.0	•0
13-14	.0	.0	•0	.0	ñ				.0		.0	•0	•0	.0	•0
17-19	.0	.0	.0	.0	.0	.0	.0		ŏ	ŏ	.ŏ	.0	•0	•0	•0
20-22	.0	.0	•0	.0	.0	.0			č	.0	.0	:0	•0	.0	•0
23-25	.0	.0	.0	.0	.0	.0	.0		. 0		.0	.0	•0	.0	•0
26-32	.0	.0	•0	.0	.õ	.0	.0		ěŏ		.0	:0	•0	.0	•0
33-40	.c	.0	•0	•0	.0	•0	.0		.0		.0	.0	•0	:0	•0
41-48	.0	.0	•0	.0	.0	.0			ě	ŏ		.0	.0	.0	•0
49-60	.0	.0	•0	.0	.0	.0	•0		.0	.0		.0	.0	.0	•0
61-70	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	•0
71-86	.0	.0	.0	.0	• 9	-0	.0		.0	ŏ			ŏ	:0	.0
87+	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0		•0	.0	.0
TOT PCT	•0	.0	•0	•0	.0	•0	.0		.0	2.6	3.6		•0		6.1
HCT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	SE	<b>-</b>		
<i< td=""><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td></td><td>.0</td><td></td><td></td><td>0</td><td></td><td>22-33</td><td>34-47</td><td>48+</td><td>PCT</td></i<>	.0	.0	.0	.0	.0		.0			0		22-33	34-47	48+	PCT
1-2	.0	14.3	.0		ö	·ŏ	14.3		.0	7.7	2.0	•0	•0	.0	•0
3-4	.0	1.5	6.6	·ŏ	'n	.5	8.2		.0	'.5	10.7	.0	•0	.0	9.7
5-4	.0	.0	13.8	.0	.0	•0	13.0		ě		12.2	2.0	•0	٠0	11.2
7	.0	.0	2.0	•0	.0	.0	2.0		.0		6.6	0	•0	.0	14.3
8-9	.0	.0	.0	2.0	.0	.0	2.0		.0		4.1	2.0	.0	.0	6.6
10-11	.0	~0	•0	.0	.0	٠.	.0		.0	iò		2.0		:0	2.0
12	.0	.0	•0	.0	.0	.0	.0		.0			0	.0		2.0
13-14	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0				:0
17-19	.0	.0	•0	.0	.0	.0	.0		.0	.0			.0	ö	.0
20-22	.0	.0	.0	.0	.0	.0	•0		.0	.0					ö
23-25	.0	.0	.0	.0	.0	•0	• 0		.0	.0	.0			ŏ	.0
24-32	.0	.0	•0	-0	.0	-0	.0		.0	.0		.ŏ		ŏ	.ŏ
33-40	.0	.0	•0	.0	.0	.0	.0		.0	.0	,0	.0			
41-48	•0	.0	•0	•0	.0	•0	.0		.0	.0	.0	.0		.0	.0
49-60	.0	.0	•0	.0	.0	•0	•0		.0	.0	.0	.0		.0	.0
61-70	•0	.0	•0	.0	.0	•0	•0		.0	:0	.0	.0	.ŏ		.0
71-06	.0	.0	•0	•0	•0	•0	•0		.0	.0	.0	.0	.0		.0
87+	•0	0	•0	.0	•0	•0	•0		.0	.0	.0	•0	.0	.0	
TOT PCT	.0	15.8	22.4	2.0	•0	•0	40.3		•0	8,2	35.7	6.1	.0	ŏ	50.0

PAGE 120

PERIODI	(OVE	P~ALL)	1963-1	971					JU					AREA			S ISLAND
		_						TABLE	18 (	CONTI					10.	.05 105.	. 3 E
				PC	T FRED C	-	SPEED	(KTS)	AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)			
				s									Sw				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	•0	-0	.5	.0	. C			• ^	• 0	٠,	-0	•0	.0	.0	
1-2	٠0	.0	•0	.0	.0	٠0	•0			٠.	• 0	.0	.0	•0	.0		
3-4	.0	.0	• 0	.0	•0	٠.٥	٠.			٠.	• 0	2.0	•0	•0	٠.	2.0	
5-6	•0	.0	.•0	.0	•0	.0				٥.	٠,	.0	.0	•0	٠,٥	•0	
7 8 <b>-</b> 9	.0	٠.	1.5	•0	•0	.0	1.5			.0	.0	.0	.0	•0	٥.	.0	
10-11	.0	.0	•0	.0	.0	.0	•0			.0	٥	.0		•0	.0	.0	
12	.č	:	ě	.0	.0	.0	.0			ŏ	ŏ	.0	.0	ŏ		.ŏ	
13-16	.č		.0	.0	.0		.0			.0	.č	.5		•0			
17-19		.0	è	.0	.0	٠.	.,,			, c	, ē	.e		.0	.0	.0	
20-22	.0	.0	.0		.0		.0			.0	.0	.0	•0	•0	.0	.0	
23-25	. 5	.0	.0	.0	.0	.6	·c			.0	.0	.0	.0	•0	.0	.0	
26-32	.0	.0	.0	•0	.0	.0	.0			.0	•0	.0	•0	•0	.0	•0	
33-40	.0	.0	.0	.0	.0	.0	•0			• ^	•0	.0	.0	•0	.0	.0	
41-48		.0	• 0	.0	.0	•0	•0			• C	٠.	.0	.0	•0	.0	•0	
49-60	.c	.0	•0	.c	.c	.0	•0			• 0	•0	.0	•0	•0	.0	•0	
61-70	.0	.0	•0	•0	•0	٠,	.0			•0	.0	.0	•0	•0	٠.	•0	
71-86	.0	.0	•0	•0	•0	.0	•0			• 0	•0	•0	•0	•0	.0	•0	
87+	٠.	.0	.0	٠.	.0	.u	. • 0			•0	.0	0	•0	•¢	0.0	.0	
TOT PCT	.0	.0	1.5	•0	٥.	.0	1.5			•0	.0	2.0	•0	•0	.0	2.0	
				¥									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	•.0	75.0	•0	.0	.0	7.0					.0		• • • • • • • • • • • • • • • • • • • •	.0	.0		
1-2	.0	.0	•0	.0	.0	.0	.0			'n	.0	. 0	•0	•0	.0	• 0	
3-4	.õ	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	•0	. 5	.0	
5-6	. 0	.a	.0	.0	.0	.0	•0			.0	.0	.0	•0	•0	٠.	.0	
7	.0	.0	•0	.0	.0	.0	•0			•c	.0	•0	-0	•0	.0	•0	
8-9	.0	.0	•0	.0	.0	.0	•0			.0	.0	.0	.0	•0	.0	• 0	
10-11	٠.	.0	•0	•0	.0	.0	•0			.0	٥.	•0	•0	•0	.0	•0	
12	.0	.0	•0	•0	.0	٠.	•0			• 0	•0	.0	•0	•0	.0	•0	
13-16	. 3	.0	•0	•0	.0	.0	•0			•0	• 0	.0	٠.	•0	.0	•0	
17-19 20-22	.5	.0	•0	.0	.0	.0	•0			.0	.0	.0	.0	•0	.0	•0	
23-25	.0	.0	•0	.0	.0	.0	•0			.0	.0	.0	.0	.0		.0	
26-32	ŏ	:0	.0	.0	.,		.0			ŏ	:0		.0	.0	.0		
33-40	.3		.0	.0	.0		.0			ő	ě	.0	.0	•0	.0	.0	
41-48		.0	.0			:ŏ				ŏ	ě				.0		
49-60	ž	.0	ŏ			·ŏ	.0			ō	.0	.0		.0		.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.5	.0	•0	.0	.0	
71-86	.0	.0	.0	.0		.0	·c			.0	.0	.0	۰.	•0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	•0	•0	.0	.0	.0	•0	
707 °CT	.0	.0	•0	•0	•0	•0	•0			•0	•0	.0	٠.	•0	.0	•0	100.0

1

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нат	0-3	4=10	11-21	22-33	34-47	48+	PCT	TOT
c1	.0	.0	.0	.0	.0	.0	.0	282
1-2		24.5	2.0				24.5	
3-4		2.0	20.4		•0	.0	22.4	
5-0	.ŏ	.5	28.6	2.0		.,	30.6	
7,0	.0	.0	10.2			.0	10.2	
8-9	ŏ	ž	4.1	4.1	.0		1.2	
10-11	.0			2.0	.5		2.0	
12	.0	.5			.5		•.0	
13-16			ě	ő		.0	.0	
	.0	•0			.0			
17-19	٠0	.0	.0	•0			•0	
20-22	•0	.0	.0	•0	.0	.0	•0	
23-25	•0	.0	.0	.0	.0	•0	•0	
26-32	•0	.0	.0	.0	.0		•0	
33-40	.0	.0	.0	.0	.0	•0	.0	
41-48	.0	.0	.0	•0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	.0	
A1-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	•0	.0	.0		.0	
	-			• •				49
TOT PCT	•0	26.5	65.3	8.2	•0	.0	100.0	

PERIOD: (PRIMARY) 1802-1969 (OVER-ALL) 1854-1969

TABLE 1

AREA 0002 CHRISTMAS ISLAND 10.05 105.3E

PERCENT	FREQUENCY	ΩF	MEATHER	DCCURRENCE	RV	MINO	DIRECTION

			•	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENDI	MENA	
WHO DIR	RAIN	RAIN	DATL	PRZG PCPN	SHOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	POG WO PCPN	POS NO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DI BLWG SI	JST SIG
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0		
NE	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0		
E	1.7	.0	.0	.0	.0	.0	.0	1.7	1.3	ō	1.7	.0	•0		
ŠE	1.2	. 3	.0	.0	.0	.0		1.5	5.0	.0	1.2	.0	•0		
5	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	• 6	.0		
Św	.0	.0	. 0	.0	.0	.0	.c	.0	.0	.ō	.0	•0	•0		
L L	.0	.0	.0	.o	.0	.0	.0	.0	.0	.o	.0	.0	.0		
Nh	.0	.o		.0	.0	.ö		.0	.0	.ŏ		.0	ŏ		
VAR	.0	.0	.0	.ŏ	.0	.0	.0	.0	•0		.0	ŏ	ěŏ		
CALP	.0	.o	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0		
TOT PCT TOT CBS:	1.3	.7	.0	.0	•0	.0	.0	2.0	3,3	.0	1.3	•0	•0	•	93.4

TABLE 2

PERCENT	FREQUENCY	OF	WEATHER	OCCURRENCE	<b>8</b> Y	HOUR	

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GHT)	RAIN	PAIN SHUR	DRZL	FRZG PCPN	SNOW	STHER FRZN PCPN	HAIL	PCPH AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FDG WD PCPN PAST HR	SHOKE	SPRAY BLWG OUST BLWG SNOW	NO SIG WEA
00203 06609 12615 18221	3.8 .0	.0 3.0	.0 .0	.0	.0 .0 .0	.0	.0 .0	.0 3.8 3.0	2.7 1.9 3.0 6.5	.0	.0 1.9 3.0	.0 .0	•0	•0 •0 •0	97,3 92,3 90,9 93,5
TOT PCT	1.3	.7	.0	.0	•0	.0	•0	2.0	3,3	.0	1.3	•0	•0	•0	93.5

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND CIR	0-3			22-33		48+	TOTAL	PeT	MEAN	00	03	06	HOUR OF	(GMT)	15	18	21
							085	FREQ	\$P0		••				•		
N	.0	.0	.3	.0	.0	.0		.3	16.0	.4	.0	.4	.0	•0	.0	.0	.8
NE	.0	1.6	2.5	.9	.0	.0		5.2	14.2	5.2	.0	4.1	6.6	5.5	•0	6.5	4.8
Ε	٠2	6.4	37.7	13.0	.6	.0		57.9	17.3	57.6	43.0	55.6	63.7	58.7	30.0	55.2	60.8
ŠĒ	.0	3.6	23.7	5.2	. 5	.0		32.9	16.8	34.1	36.3	36.1	27.0	31.0	70.0	32.6	30.0
S	.2	. 3	1.5	. 6	.0	.0		2.5	15.0	1.9	•0	2.9	1.3	2.2	.0	3.7	2.8
Šw	. 2	.1	.0	.0	.0	•0		.3	3.4	•0	.0	.4		.3	.0	- 4	
W	. 1	.1	.0	.0	.0	.0		.2	4.0	.7	•0	.0	.0	•0	.0	.c	.4
Ñы	.2	.i	.0	•0	.0	•0		.3	3.2	• 0				•0		.,	.4
VAR	•0	•0	.0	•0	.0	.0		.0	.0	•0	•0	.0	.0	•0	.0	.0	•0
CALM	.4							. 4	.0	.0	•0	.0		1.4	.0	.7	.0
TOT CAS	12	108	591	176	10	0	897	• •	16.7	134	7.	236	115	146	• •	134	125
TOT PCT	1.3	12.0	65.9	17.6	1.1	.0		100.0			100.0				100.0		

# TABLE 3A

WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HBUR 05 09	(GHT) 12 15	18 21
N	.0	.1	.2	.0	.0		. 3	16.0	.4	.3	.0	.4
WE	.4	3.1	1.7	.1	.0		5.2	14.2	5.1	4.9	5.3	5.7
	1.3	19.5	35.3	1.7	.2		57.9	17.3	57.2	58.2	57.8	57.9
SE	. 6	13.6	17.0	-, 8	, ĩ		32,9	16.8	34.8	33.2	33.1	31.4
5	.3	1.1	1.1	.0	.0		2.5	15.0	1.8	2.4	2.2	3.3
Sw	.2	·.i	0	.0	.0			3.4		.,4	• ; ;	
ŭ"									• • • •			.2
	.2	.0	•0	•6	•0		.2	4.0	• !	.0	.0	- 2
NW	.3	.0	•0	•0	.0		.3	3.2	.0	.3	.0	. 6
VAR	.0	•0	.0	•0	.0		.0	.0	.0	.0	.0	.0
CALM	-4						. 4	.0	.0	.3	1.3	.4
TOT DAS	32	337	503	23	2	897	• • •	15.7	158	349	151	259
TOT PCT	3.6	37.6	56.1	2.6		- • •	100.0	•••		100.0		

PAGF 122

PERIOD: (PRIMARY) 1862-1969 (OVER-ALL) 1854-1969

TARLE 4

AREA 0002 CHRISTHAS ISLAND 10.05 105.3E

PERCENTAGE FREQUENCY OF WIND SPEED BY MOUR (GMT)

HJUR	CALH	1=3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	.0	1/.5	63.0	18.5				100.0	138
06409	. 3	1.1	9.5	66.5	21.2	1.4	.0	17.0	100.0	349
12615	1.3	.0	16.6	64.9	10.6	.7	.0	16.1	100.0	151
18621	.4	1.5	10.0	67.2	19.7	1.2	.0	16.8	100.0	259
TOT	4		108	591	176	10	0	16.7		897
PCT	.4	. 9	12.0	65.9	19.6	1.1	.0		100.0	

TARLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)		4					CEILIN NH <b>«</b> 5/					
WHO DIR	0-2	3-4	5-7	ORSCD	TCTAL CBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000÷	44 45/8 ANY HGT	
N	.0	.0	.0	.0		٠.۵	•c	٠.	.0	.0	•?	.:	.0	. n	•0	.0	.0	
NE	. 5	1.2	.5	.0		4.0	•0	.0	.0	•0	.0	• 0	.0	.0	•0		2.2	
ē	13.8	9.7	10.9	2.9		3.7	• 0	.0	.0	1.5	4.4	1.9	.0	-0	•0	.0	29.6	
ŠĒ	9.C	19.2	26.0	4.9		4.6	•0	• 0	.0	5.3	10.4	6.8	.0	.0	•0	.0	36.4	
Š	.0	, n	1.5	.0		6.5	•0	.0	.0	.0	.7	.0	.0	-0	•0	.0	.7	
ŠW	. 0	.0	.0			•0	•0	• 0	.0	.0	.0	.0	. ?	•0	• 0	.0	.0	
ŭ	.c	.0	.0			.0	•0	.0	.0	.0	.0	.0	. 6	.0	.0	.0	.0	
NW		.0	.0			.5	•0	•0	.0	.0	.0	.0	.0	•0	•0	.0	.0	
VAR	. 0	.0	.0			.0	•0	•0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
CALM	.0	.0	.0			.0	•0	•0	.0	•0	.0	• 0	.0	•0	•0	•0	.0	
TOT DAS	24	31	40	- ```	123	4.3	5	• 5	• 5	• • •	16	ě	č	ž	Č	• •	71	103
TOT PCT	23.3	30.1	38.8	7.8	100.0		•ŏ	•0	.0	6.8	15.5	8.7	.ŏ	٠ŏ	•0	•0	68.9	100.0

TABLE 7

OF CIMULTANEOUS OCCURRENCE (NM >4/8) AND VSBY (NM)

				VSBY (NR	1)			
CEIL ING	<ul> <li>OR</li> </ul>	• DR	• OR	- OR	• OR	- CR	⇒ DR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.0	.0	.0	.0	.0	.0	•0	.0
■ DR >5000	.0	.0	.0	.0	.0	.0	•0	•0
<ul> <li>□R &gt;3500</li> </ul>	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >2000	6.7	8.7	8.7	8.7	8.7	8.7	8.7	8,7
• DR >1000	21.2	24.0	24.0	24.0	24.0	24.0	24.0	24.0
■ DR >600	24.0	29.8	30.8	30.8	30.8	30.8	30.8	30.8
• DP >300	24.0	29.8	30.8	30.8	30.8	30.8	30.8	30.8
• DR >150	24.0	29.8	30.8	30.6	30.8	30.8	30.8	30.8
• GR > 0	24.0	29.8	30.8	30.8	30.8	50.8	30.8	30.8
TOTAL	95	31	32	12	32	10	12	32

TOTAL NUMBER OF OBS: 104

PCT FREQ NH <5/81 69.2

TABLE 7A

PERCENTAGE PREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 GBSC TOTAL CONTROL OF THE CONTROL

PERIOD: (PRIMARY) 1862-1969 (FVER-4LL) 1854-1969 AREA 0002 CHRISTHAS ISLAND 10.05 105.3E TABLE 8

VSBV (NH)		N	NE	E	SE	s	Sw	W	NK	VAR	CALH	PCT	TOTAL
	PCP	.c	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
	TOT %	.0	٠,	•0	.0	•0	•0	.0	•0	.0	.0	.0	
	PCP	.c	.0	.0	.0	•0	• 0	.0	.0	.0	•0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	•0	•0	•0	.0	.0	.0	.0	
	TOT &	.c	.0	•0	.0	•0	•0	•0	•0	•0	.0	٠.	
	PCP	.n	.0	•0	.0	.0	•0	.0	۰٥	.0	.0	.0	
1<5	NO PCP	.0	.0	.0	.0	-0	•0	.0	•0	.0	.0	.0	
	TOT \$	.c	.0	•0	.0	•0	•0	.0	•0	.0	.0	.0	
	PCP	.0	٠,	•0	.2	.5	•0	.0	.0	.0	•0	.7	
2<5	NO PCP	.0	٠.	•0	.7	••	• 0	.0	•0	.0	.0	7.	
	TOT &	.0	.0	•0		. 5	•0	.0	•0	•0	.c	1.3	
	PCP	.c	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
5<10	NO PCP	٠,٠	.0	2.3	10.9	•0	••	.0	•0	.0	.0	13.2	
	TOT &	.c	2.	2.3	10.9	•0	•c	.0	٠,	.0	•0	13.7	
	PCP	.0	.0	. 7	.7	.0	•0	.0	•0	.0	.0	1.3	
10+	ND PCP	.0	3.6	35.4	43.5	1.5	•0	•0	•0	•0	.0	84.2	
	TO7 %	•0	3.0	36.0	44.4	1.5	•0	.0	-0	-0	•0	85.5	

TARLE 9

					T FREQ WITH V						ED		
VSEY (NH)	SPD KTS	N	NE	E	\$E	S	SW	W	NW	VAR	CALM	fct	TUTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	. 6	.0		.0	.0	.0	.c		, o		.0	
	11-21	.0	•0		.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.o		.0	
	TOT \$	.0	•0	•0	•0	.0	.0	•0	.0	.0	•0	.0	
	0-3	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	٠,	. 0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	
	0-3	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	٠.	.0	.9	.0	.0	٠,٥	.0	.0	.0		.0	
	22+	٠.	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	.0	40	•0	•0	.0	•0	•0	.0	•0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	۰.	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	. 3	.0	•0	. 8	.5	.0	.0	• • •	٠.		1.3	
	22+	.0	.0	.0	.6	.0	.0	. 3	.0	٠,			
	107 \$	.0	•0	•0	1.4	. 5	.0	•0	•0	.0	-0	1.9	
	0-3	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	.0	.0	.0	1.9	.0	.0	.0	.0	.0		1.9	
	11-21	۰.	.0	1.7	8.3	.0	.0	.0	.0	.0		10.1	
	22+	.0	.0	.5	.2	.0	.0	.0	.0	٠.			
	TOT %	.0	.0	2.2	-10-4	.0	.0	.0	•0	.0	.0	12.6	
	0-3	.0	•0		0	.0	•0	.0	.0	.0	.0		
10+	4-10	.0	1.0	13.7	7.5	٠,5	.0	٠.0	.0	.0		23.3	
	11-21	.0	1.7	21.5	34.9	.,	.0	•0	.0	.0		59.1	
	22+	.0	.2	1.1	1.3	.0	.0	.0	•0	.0		2.5	
	TOT \$	.0	3.5	34.9	43.7	1.4	•0	.0	•0	.0	.0	15,5	
	TOT ORS												159
•	TOT BOT	. 0	1.4	20.2	44.4	1.0	٠.٨	. 0	٠.٨	- 0	. ^	100.0	

PAGE 124

**(** 

( )

PERIOD: (PRIMARY) 1862-1909 (DVEP-ALL) 1854-1969

TABLE 10

AREA 0002 CHRISTHAS ISLAND 10.05 105.3E

PERCENT FREQUENCY OF C#ILING MEIGHTS (FEETJAM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 597	600	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 Any hgt	TOTAL DBS
00603	.0	.0	.0	6.5	16.1	3.2	.0	.0	•0	•0	25.6	74.2	31
90380	۰.	.0	.0	7.9	13.2	10.5	.0	.0	.0	•0	31.6	68+4	38
12619	.0	.0	.0	8.0	12.0	8.0	.0	.0	.0	•0	28.0	72.0	25
18621	.0	.0	.0	.0	15.8	10.5	٠.	.0	.0	•0	26.3	73.7	19
10T PCT	.0	.0	.0	6.2	16 14.2	8.0	.0	.0	.0	•0	32 28.3	71.7	113 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HOUR		¢u⊭u √"					VSBY (NH)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	FOLR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL USS
00603	.0	.0	.0	.0	5.3	94.7	38	60603	.0	.0	6.7	20.0	73.3	30
90360	.0	.0	.c	.0	13.0	87.0	54	05609	.0	.0	5.1	24.3	67.6	37
12615	.0	.0	٠.	5.9	11.8	82.4	34	12615	.0	•0	9,5	23.0	66.7	21
18621	•0	.0	.c	2.9	20.6	76.5	34	18821	.0	-0	•0	31.3	68.8	16
TOT	.3	.0	· .	3 1.9	20 12.5	137 85.6	160	TOT PCT	.0	.0	6,7	25 24.0	72 60.2	104 100+0

TABLE 13

PERCENT FREQUENCY OF RELATIVE MUNICITY BY TEMP
TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 UBS FREQ
85/89 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1 .9
80/84 .0 .0 .0 .0 .0 .0 2.6 16.3 5.5 .9 30 27.5
75/79 .0 .0 .0 .0 .0 2.8 38.5 25.7 3.7 77 70.6
70/74 .0 .0 .0 .0 .0 .0 .0 .9 .0 .0 .9 .0 1 .9
TOTAL
0 0 0 0 7 62 33 5 5 109 100.0
PCT .0 .0 .0 .0 .0 4.4 56.9 32.1 4.6

TABLE 14

	PERC	ENT FR	EOUENCY	OF WI	ND DIR	FCTION	84 T	EMP	
N	NE	E	SE	5	SW	×	NW	VAR	CALH
0	.0	13.1	14.2 42.7	:0	.0	.0	.0	•0	.0
0	2.1	24.5	42.7	1.0	.0	.0	.0	••	.0
		26 1	80.3	1 4	•	^	^		. 0

TARLE 15

TABLE 16

	HEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	19 (DE	G F) E	Y HOUR	
HOUR (GHT)	MAX	99%	95%	50%	51	18	MIN	MĒĀK	TOTAL OSS	HOUR (GNT)
\$0300 \$0360	85	83	81 83	78 79	75 76	79 79	73 72	78.2	137	E0300
12615	13	#1	61	78	75	73	72	77.9	145	12415
18621	83 86	81 84	80 82	78 78	75 75	74 73	69 67	77.5 78.4	246 866	18621 TOT

HOUR CONTROL OF RELATIVE MUNIDITY BY HOUR CONTROL OF RELATIVE MUNICIPAL BY

AUSUST

PERIOD: (PHIMARY) 1862-1969 (OVER-ALL) 1854-1969

TABLE 17

AREA 0002 CHRISTMAS ISLAND 10.05 105.3E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	65	101	W .	#8 FCG
TMP DIF	72	76	80	84	38		FOG	PUU
7/8	.0	.0	.0	.0	. 5	1	•0	. 8
5	.0		.ŏ	1.5	. 5	ž	.5	1.5
	ŏ	.0	.0	1.5	.0	2	•0	1.5
š	.0		. 8	1.5	.0	2	.0	2.3
2	.0	.0	4.6	5.3	.0	13		9.2
ī	,ŏ	• 0	13.7	3.1	٠.	22	.0	16.8
4 3 2 1	.0	. 8	22.1	5.3	.0	37	• 2	28.2
-1	.0	. 8	15.3	.0	.0	21	• 0	16.0
-ž		3.1	6.1	.0	.0	13	.0	9.9
-3	, o	•0	5.3	.0	.0	7	•0	5.3
-4	. 8	1.5	3.8	.0	.0	8	•0	6.1
-5	.0	. 8	.0	.0	.0	1	• 0	.8
-9/-10	.0	.0	. 8	.0	.0	i	•0	.8
TOTAL	ž		95		1		1	130
	-	9		24		131		
DCT	1.5	4.9	72.5	18.3	. 8	100.0	.8	99.2

PERIOD: (CVER-ALL) 1963-1969

C

C

TABLE 18

				PC	T FREQ 3	F WIND	SPEED (K	TS) AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	45+	PCT	1-3	4-10	11-21	4E 22-33	34-47	48+	PCT
<1	.0		.0	.0		.0	•0	.0		.0	.0	.0	.0	.0
1+2	. 5	.5	.0	.0	. 5	.5	• 2	.0		.0	.0	.0	.0	.4
3-4	.0	.ŏ	.0		ŏ	·õ	• 0	.0				.5	. 3	. 8
5-6	.0	.0	.0		.0	.0	•0	.0		.0	.0	.0	.0	•0
7	.0	.0	.0		•0	.5	.0	.0		.5	.0	.5	.0	•0
8-9			.0	.ŏ	Ď	.0	.0	.0		.0	.č	.0	.0	•0
10-11	.5	.0	.0	.0	.0	.0	•0	.0		.5	.0	•0	٠.	.0
12	ŏ	.ŏ	.ŏ	.0	.0	•0	•0	. 0		.5	.0	.0	. 5	•0
13-16	.0	.0	.0	ě	.0	.0	.0	. 0		.0	.0	•0	.0	•0
17-19	.0	.0	•0	.0	.5		•0		3.	.0	.0	.0	.0	.0
20-22	.0		.ŏ	.0	.0	.0	.0			.0	.0	.0	.0	•0
23-25		.ŏ	.0	.0	.0	.0	.0			.0	.0	•0	-0	•C
26-32	.0	.0	.0	.0	.0	.0	•0			.c	•0	•0	.0	•0
33-40	.5	.ŏ	.ŏ	.0	.5	.5	.5			.0	.0	.0	.0	•0
41-48	.0	.0	•0	.ŏ	.0	.0	•0	• 6		.0	•0	.0	.0	•0
49-60			.0	.0	.0	.0	• 0	ic		.0	.0	•0	.0	•0
61-70	.0	.0	•0	3.	.0	.0	•0			.0	•0	.0	•0	•0
71-86		.ŏ		:5	.0	.ŏ	ij			.0	•0	•0	.0	.c
87+	.0		.0	.0	٠,٥	.0	•0			.0	•0	•0	.0	• 6
TOT PCT		.6	•0	. 0	.0	•0	•0	•		.4	.4	•0	•0	1.2
				E				1=1	4-10	11-21	\$6 22-33	34-47	48+	PC™
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT							•0
<1	•0	.0	•0	•0	•0	•3	•0	•9		0	•0	.0	.0	3.2
1-2	.0	6.0	.0	0	.0	.0	6.0	• !		1.6	٠.	.0	:8	19.4
3-4	.0	9.7	9.7	1.2	•0	.0	20.6	• (		12.9	1.5	04	:8	17.3
5-6	.0	•0	10.5	0	•0	•0	10.5			10.1	2.0	•0		12.1
7	.0	.0	1.2	1.2	.0	•0	2.4			4.8	.0	•0	ŏ	4.8
8-9	.0	• 2	•0	•0	• 0	-0	.0			7.0	.0	.0	ŭ	7.0
10-11	٠,٥	.0	•0	•0	•0	.0	•0			.0		.0		.0
12		.0	.0	.0	.0	.0	.0			.0	.0	•0		.0
13-16	٠٥	.0	•0				•0			:0	.0	•0		.0
17-19	.0	.0	•0	•0	.0	•0	.0			.0	.0	0	.ŏ	.0
20-22	.0	.0	•0	•0	.0	•0	•0			.0	.0	40		ěŏ
23-25	.0	•0	.0	•0	.0	•0	.0	•		.0	•0	.0		40
26-32	.0	.0	•0	•0	•0							.0		
33-40	٠.٥	.0	•0	•0	• 5	• 0	•0	• *			-0 10	.0	:0	.0
41-48	.0	.0	•0	.0	•0	•0	•0					•0	.0	•0
49-60	.0	.0	•0	•0	,0	•¢	•0	• !			•0	.0	.0	•0
61-70	.0	.0	•0	•C	.0	•0	•0	•			•0		:0	•0
71-86	.0	.0	•0	.0	,0	•0	•0	•			••	.0		.0
87+ TOT PCT	:0	15.7	21.4	2.4	.0	.0	19.5	•	0 9.7		3.6	•0	.0	36.9

PAGE 1-6

63 64

******	10.2 10.0	4L4J47	IJEA ARAR CURICTURE IN AND
PERIOD: (OVER-ALL)	1963-1950	TABLE 18 (CONT)	AREA 0002 CHRISTMAS ISLAND 10.05 105.3E
		PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA -	EIGHTS (FT)

				٠.				 							
				5 22-73											
MGT	:-1	4-10	::-2:		34"	48+	PC-	1-3	4-13	11-21	22-32	34-47	-4-	₽Ç♥	
<1	.0	-0	.0	.0	.0	.0	•¢	•^	.0		.0	• >	.0	.0	
1-2	.0	.0	• • • •	.0	.5	.:	.0	• '.	.0	.5	٠.	٠.٥	.0	• •	
3-4	.:	.0	1.2	.0	٠.	٠.:	: • ž	. 5		٠.	. 3	• :	.:	.0	
5-0	.:	.0	1.2	-0	.0	.0	1.2	.0	.0	.0	.0	• • •	.0	.0	
7	. 3	.0	• 2	.0	.0	.0	•c	.0	.0	.0			.:	.0	
2-9	. 5	. 0	.0	.0	.0	٠.		.5	.0		. 5	• 0	.:	. ^	
20-11	. 5	.5		.0	.0	.5	.0		. 0	.0	.5	. 5	. 5	.0	
12	.5		.0	.5	.0	. 5	.0	. 0	. 5		.5		.:	.0	
13-16	.3		.5	.c	.5	.5		- 1	.5			• 5	.5		
7-19	:3	.5	.0		ě	.:	.c	÷c			.5	.3	::		
20-22	.č			::		ě					.0	•5	::		
23-25	:č	.5		.0		:č	ě			.c	.5	.5	::	.5	
20-32		.5		.0		.:	• • • •						::		
	• 2														
33-4C	•	.0	.0	.0	• 0	٠.	•0	•0	•0	• 2	•0	• 2	٠.	• 0	
41-48	.:	•¢	• 2	•0	٠,	• 0	.0	• ?	• 5	.0	•0	•0	.0	• 5	
49-00		.0	•0	.0	.0	• •	۰ ت	٠.:	• •	.\$	• ≎	• )	.0	.5	
61-70	.:	•0	• 0	• 2	٠.	•¢	.0	• າ	• >	•0	• 0	•0	.:	.0	
71-55	. 3	-0	• 0	.0		•:	•€	•^	٠.:	.:	.0	•0	.:	• 0	
87+	.:	.0	.0	.0	.0	• 6	۰۷	• •	• •	• 5	•0	•0	.0	• •	
TOT PCT	.:	.0	2.4	.0	٠.	.0	2.4	٠.	.0	.0	.0	• 0	.:	.0	
				h							No.				TOTAL
HG*	1-3	4-10	11-21	42-43	34-47	-5-	PCT	7	4-10	11-25	22-33	34-47	46.	PC"	PCT
<:	.:	.0	•0	.0	.0	.0	•0	. າ	.0	.0	•0	• 3		.0	
1-2	.:	.0		.0	. 7	.0	.0	• •	. 0	.:	. 2	• 5	.0	.0	
3-4	. 3	. 0	.0		.0	٠.	. 5				• 2	.0		.0	
5-6	. :	.5	.:	.5	• 2	. 5	.0	.0	. 3			• 0	.0	.0	
7	.0	.0	•0		.0	.0	• 1		. C		•0	•0	.0	. 5	
8-9		.0			.0	.0	.0	.0	.c		.0	• 5	.5	.0	
10-11	.5		.0		.c	.5	.0		.c					•0	
17		.0					• 6	• • •	.5			.5	.5	.5	
13-16	:3	.5			:6	.5	ě	::	•••	.;	::	.5	ä		
17-19	::	:5			:5	::	.0	:-		٠.6	.5	.5	.5	.5	
20-22			.5		:	::	::	•	'n	• • • • • • • • • • • • • • • • • • • •	• • •	.5	.:		
23-25	• -		.0		::	:5	.:	:-	c	- 12	• :		.5	.5	
	٠.	.0						• •		• :	• • •	• 3			
26-32	•\$	.5	• 0		• ?	.:	•¢	•^	•6	.5	•0	• 3	٠.	.0	
33-40	• ?	٠.	•6		.0	.0	. 5	• 5	• • • •	.5	.0	• 5	.0	٠.	
41-48	. C	٠.	.0		• • •	• ?	• 6	.c		.0	.0	• •	.:	.0	
49-60	. 3	٠.	• 1		. :	.0	.:	• •	٠,	.0	.5	• 5	.:	•0	
61-70	. :	. 5	.0		• • •	٠.5	.0	• 0	.:	.0	.0	•0	.0	.0	
71-86	.:	.0	•:		.0	. 0	•0	•^	.0	.0	.0	.0	. 5	.0	
87+	.0	٠.	.0		. ^	. 7	ه د	• 0	.0	.0	.0	•0	.0	٠.	
0						•			^	7.4					100 0

	MIND	SPEEC	(KTS)	VS SEA	re:GHT	(FT:		
HST	0-3	4-10	11-2.	22-35	34-47	48+	PCT	Tu*
<1	.0	.0	٠.	.0	.0	.0	.0	285
1-4	.5	0.1	1.0			.0	\$.7	
3-4	.0	10.1	24.2	1.6	. 5	. 5	41.0	
5-6		1.6	25.8	1.6		۸۰	29.0	
7		•0	11.3	3.2	.0	.0	14.5	
8-9	.č	.5	4.8	.5	.0	.ŏ	4.8	
10-11	.0	.5			.0	.0		
12	.č			č	.0	.0		
13-16		ě			.0	.0		
17-19					.0			
					.0			
20-22	٠.	٠.	٠,٥	.0		••	.0	
23-25	.0	•0	٠.		.0		.0	
26-32	.0	٠.٥	•0		.0	٠.	.0	
33-4C	.0	•0	•¢	.0	.0		.0	
41-48	.0	• 3	.0	. 5	.0	.0	٠.	
49-6C	.0	.0	٠.	• • • • • • • • • • • • • • • • • • • •	.0	9.		
e1-70	.0	. 0	.¢	. c	.0	.0	.0	
71-80	.0	. 6	.c				.0	
e7+	.0	.5					.0	
-								62
*** ***	_	36 8	47 7		. ^		100 0	

PERIOD: (GVER-ALL) 1949-1969 TABLE 19 PERCENT FREQUENCY OF MAVE MEIGHT (FT) VS MAVE PERIOD (SECONDS) PERIOD (SEC) (6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 87+ TOTAL .0 30 .0 24 .0 25 .0 7 .0 3 .0 1 .0 8 .0 102 .0 100.0 3-4 5-6 14.7 12.7 8.8 2.0 .0 .0 3.9 43 42.2 12 13-16 17-19 70-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 2.0 3.9 1.0 2.9 1.0 .0 1.0 11.8 6.9 2.0 .0 .0 .0 .0 21 20.6 .0000000000 .0 3.9 4.9 .0 .0 1.0 1.0 0000000000 0000000000 1.0 0000000000 000000000 0000000000 000000000 0000000000 000000000 000000000 0000000000 1.0 .0 6.9 2.0 1.0 .0

SEPTEMBER

PERIOD: (PRIMARY) 1860-1971 (OVER-ALL) 1854-1971

(

(

TABLE 1

APEA 0002 CHRISTMAS ISLAND 10.05 105.2E

PERCENT	FREGUENCY	30	MEATHER	DCCURRENCE	<b>9</b> Y	MIND	DIRECTION

			P	RECIPI	CITAT	STYPE					птнея	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN Shwr	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPh PAST HOUR	THOR LTNG	FDG WO PCPN	FJG WO PCPN PAST HR	SMOKE		
N	.0	.0	.0	.0	.0	.0	٠.	.0	••	.0	.0	.0	.0	.0	.0
NF	.0	.0	.0	.0	.0	.0	.с	.0	•0	.0	.0	.0	.0	• • • •	۰.
Ē	.0	2.6	.0	.0	.0	.0	.0	2.6	3.9	.0	.0	.0	.0	.0	93.5
ŠF	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	96.3
Š	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	100.0
Š'a	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
ď	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	•0		.0
Йh	.5	.0	.ŏ	.ŏ	.0	.ŏ	.0	. 6	.0	.0	.0	ŏ	• 0		.0
VAR	- 5	.ŏ	.0	.0	.0	.0	.0	.0	.0	.0	, ō	.0	•0		.0
CAL	.0	.6	.0	.0	.0	.5	.c	.0	.0	.0	.0	.0	•0		.0
TOT PCT TOT CB5:	.0 140	.7	.0	.0	•0	•0	٠.,	.7	3.6	.0	.0	•0	•0	•0	95.7

TARLE 2

PERCENT	FREQUENCY	DF.	WEATHER	OCCURRENCE	BY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDI	HENA	
HCUR (GYT)	RAIN	RAIN SHWR	CR7L	FRZG PCPN	SNOW	OTHER PRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUP	THDR LT4G	FOG YO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG NEA
00603 05609 17615 16621	.0	3.4 .0 .0	.0	.0	.0		.00	3.4 .0 .0	3.4 4.8 3.0 2.2	•0	.0	.0	•0	•0	93.1 95.2 97.0 97.2
TOT PCT	.0 140	.7	.0	.0	.0	•0	.c	.7	3.4	.0	.0	•0	•0	•0	95.7

TABLE 3

### PERCENTAGE EREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

HND FIR	0-3			55-33 ED (KNE		45+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HGUR 09	(GHT) 12	15	18	21
N	.2	•1	. 2	.0	•0	•0		4	7.7	.4	•0	1.1	,5	.0	.0	. • 0	. 4
NE	- 1	.9	1.9	- 1	.0	•0		2.9	12.7	3.0	• 0	4.0	2.8	3.0	_ •0	1.7	2.3
E	• 2	7.4	34.6	7.7	.3	.0		50.2	16.	50.6	•0	51.0	57.5	46.5	75.0	46.3	51.4
SF		6.6	29.	5.1	.3	.0		41.9	16.0	42.8	•0	39.9	34.0	45.6	25.0	46.3	41.3
Š	.0	. 8	1.8	.1	. 1	.0		2.7	13:6	2.6	.0	1.5	3.3	2.4	.0	3.7	3.5
Š	.0			Ĭ.č	.0			.3	14.8	.0	.0	. 6	. 5	.6	.0	.0	• 0
h	.:	. 3	.1	.0	.0	.0		.7	5.1	.0	•0	. 8	.5	. 9	.0	1.3	.4
Ns	.1	.4	.2	.0	.0	.0		.7	7.7	.4	.0	.6	.9	.9	.0	.7	. 0
VAR	.0	. 0	.0	.0	.0	.0		.0	.0	.0	•0	.0	٥.	.0	.0	.0	.0
CALP		••	••	••	•••	•••			ö	•0	•0	.4	.0		.0	.0	.0
10T CBS	:1		632	119	é	e	916	• •	15.0	137	• 6	236	106	165	·Ÿ	149	129
	10	151			_		710		13.0								
TOT PCT	1.1	16.4	66.8	13.0	.7	•0		100.0		100.9	•0	100.0	100.0	100.0	100.0	100.0	100.0

۰		•	•	٠	

NIC DIN	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TUTAL OBS	PCT FREQ	HEAN SPD	00	HBU! 06 09	(GHT) 12 15	18 21
N	.3	.1	.1	.0	.0		.4	7.7	.4	.9	.0	.2
NE	.6	1.3	1.0	.1	.0		2.9	12.7	3.0	3.7	3.0	2.0
E _	2.1	17.9	28.6	1.6	.0		50.2	16.4	50.6	53.0	46.7	48.7
SE	1.3	18.3	21.4	. 9	.0		41.9	16.0	42.8	30.1	45.5	44.0
•	.1	2.0	.6	. 1	.0		2.7	13.6	2.8	2.0	2.4	3.6
ŠW			•2		.0		.3	14.8	.0	.6	. 6	•0
¥.	.5	.2	.0	,0	.0		.7	5.1	.0	.7	.9	.9
Nu	.5	i	.1	ŏ			. 7	7.7		. ;	é	. 7
VAR		:6		.ö	:ŏ		.6		.õ			
	•••	•0	••	••	••							
CALH	•1						.1	0	0	.3	.0	0
TOT ORS	50	367	477	24	0	918		15.8	135	342	166	278
TOT BET	9.4	40.0	52.0	2.6	-0		100.0		100.0	100.0	100.0	100.0

PAGE 128

SEPTEMBER

PERIOD: (PRIMARY) 1860-1971 (GVER-ALL) 1854-1971

TARLE 4

AREA 0002 CHRISTMAS ISLAND 10.05 105.2E

	PERCENTAGE	FREQUENCY	ĈF	HIND	SPEED	84	HOUR	(CF)
--	------------	-----------	----	------	-------	----	------	------

				HIND	SPEED (	KNOTS			PCT	TOTAL
HUUR	CALM	1-3	4-10		22-33		48+	HEAN		OBS
60300	.0	.0	18.2	68.2	12.9	. 8	. 3	16.0	100.0	132
06609	.3	. 9	15.8	67.5	14.9	.6	.0	15.9	100.0	342
12615	.0	.6	19.9	69.9	9.0	.6	.0	15.1	100.0	166
18621	.0	1.8	14.4	70.1	12.9	.7	.0	16.0	100.0	278
TOT	1	9	151	632	119	6	0	15.8	•	918
PCT		1.0	16.4	68.8	13.0	.7	.0		100-0	

TABLE 5

TABLE O

PCT FREC OF TOTAL CLOUD AMOUNT (EIGHTHS)  BY WIND DIRECTION  HEAT						•								T,NH )				
WND DIR	0-2	3-4	5-7	a € 085€p	TCTAL CBS	CLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N	.0	.0	•0	۰.0		.5	.0	•0	.0	.0	.0	•0	.0	.0	•0	.0	•0	
NE	.0	.0	.0	.0		•0	• 0	.0	.0	.0	.0	.0	.0	• 0	.0	.ŏ	•0	
E	0.1	10.1	11.1	1.9		4,4	•0	.0	. 8	2.9	2.5	1,3	1.7		•0	.0	19.1	
ŠE	16.6	20.6	24.6	4.8		4.7	.0	.0	.0	7.1	5.9	6.3	2.1	.0	.0	.0	45.2	
\$		2.1	1.3	.0		4.0	•0		. 5			• 5	1.3	.5	••	.0	2.9	
Š×	. 0			.0			•0	: 1		.0	ŏ	•0		.0	.0	.0		
<b>.</b>		.0	.0	.0		-	• • •		.0		-						_	
	.0	-				•0		-			•0	•0	•0	•0	•0	•0	•0	
NW	.0	•0	•0	•0		•0	•0	•0	.0	.0	•0	•0	•0	•0	•0	.0	•0	
VAP		•0	•0	•0		• 0	•0	••	• 0	۰,0	.0	•0	.0	•0	•0	.0	•0	
CALM	• 2	• 2	.0	• •		.9	•0	• 2	.0	. 9	.0	•0	.0	•0	.0	.0	•0	
TOT OBS	20	39	44	8	119	4.3	,	•	1	12	10	9	6	1	Ò	ŏ	80	119
TOT PCT	23.5	32.6	37.0	6.7	100.0		•0	•0	.8	10.1	8.4	7.0	5.0	. i	•0	•0	67.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBV (NH)

				VSBY (NE	1)			
CEILING	• CR	- DR	= DR	- OR	• OR	- CR	⇒ DR	= OR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= DR >6500	, 0	•0	.0	.0	.0	.0	•c	.0
<ul><li>DR &gt;5000</li></ul>	.0	. 8	. 8	.8	. 8	. 6	. 8	
■ OR >3500	4.2	5.9	5.9	5.9	5.9	5.9	5.9	5.9
€ FK >2000	8.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
■ PR >1000	13.4	21.8	21.8	21.8	21.8	21.8	21.6	21.0
■ DR >600	20.2	31.9	31.9	31.9	31.9	31.9	31.9	31.9
■ DR >300	21.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8
● DR >150	21.0	32.4	32.8	32.8	32.6	32.8	32.8	32.8
• OR > 0	21.0	32.8	32.8	32.8	32.8	32.8	32.8	32,8
TOTAL	25	39	39	39	39	39	39	39

TOTAL NUMBER OF OBS: 119

PCT FREQ NH <5/81 67.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD 085 .8 10.4 23.2 17.6 14.4 9.6 15.7 6.4 7.4 .0 125

PERIOD: (PRIMARY) 1860-1971		_			
(OVER-ALL) 1854-1971	TABLE 8	ia c		THAS ISL	AND
	PERCENT FRED OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE PRECIPITATION WITH VARYING VALUES OF VISIBILITY	:E 0	IF		

				PRE	CIPITAT	ION WIT	H VAR	ING VI	LUES	OF VIS	16111	LA	E UP
VSBY (NM)			NF	ε	SE	\$	Sw	W	NH	VAR	CALM	PCT	TOTAL
	FCP	.0	٠.	.0	.c	•0	••	• ^	•0	.0	.0	.0	OBS
<1/2	NO PCP	.c	.0	.0	.0	•0	.0	٥	.0	ö	.0		
	TOT %	.c	.0	.0	.0	•0	.0	.c	.0	.0	.0	o.	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	. 0	.0	. 0	• 0	• 5	ň	ñ	.0	.0		
	TOT %	.0	.0	.0	.0	•0	•6	.0	•0	Ď	•0	.c	
	PCP	.0	.0	.0	.0	.0	•0	•	•				
1<2	NO PCP	.c	.c	ě	.č		•6	•0	•0	.0	•0	.0	
•	TOT %	٠,٠	.0		.0			•0	•0	.0	• 0	• (	
		••	•0		•0	•0	• 0	.0	•0	.0	•0	.0	
	PCP	٠.	.0	•0	•0	.0	•0	. n	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	•0	•0	•0	• 0	• 0	• 0	.0	.0	.0	
	TOT \$	.0	.0	.0	.0	•0	• 0	•0	•0	.0	.0	.0	
	PCP	.0	.0	.0	.0	•0	• 2	.0	.0	•0	•0	٠,٥	
5<10	NO PCP	٠,٠	.^	4,3	12.1	• 0	.0	.0	.0	ŏ	•0	16.4	
	TOT %	.0	٠.	4.3	12.1	•0	.0	ò	.0	.0	.5	16.4	
	PCP	.c	.0	.7	.0		_	_	_				
10+	NO PCP	.c	.0	22.3	55.7	0	••	•0	•0	.0	•0	.7	
-	TOT	:č	:0	23.0	33.7	4.8	• 2	• 0	• 0	.0	•0	82.9	
		•0		23.0	23.1	7.0	• C	•0	• 0	•0	•0	83.6	
	TOT OBS												140
	TOT PCT	.0	.0	27.3	67.9	4.8	-0	.0	-0	•		100 0	

TABLE 9

759Y (44)	SPD KTS	N	NE	E	SE	5	Set	×	NW	VAR	CALM	PCT	TOTA:
	0-3	_	_										085
(1/2		٠.	.0	•0	.0	• C	.0	.0	.0	.0	٠.	.0	
(1/2	4-10	•0	٠,	.0	•0	٠.	.0	٠٥	.0	.0	-	, ō	
	11-21	.0	.0	•0	• 0	.0	.0	.0	.0	.0		.5	
	22+	٠.	٠Ç	.c	.0	•C	.0	.0		.c			
	TOT \$	•0	.0	•0	•0	•0	.0	.0	.0	.0	-0	.0	
	0-3	.0	.0	.0	•0	.0	.0	.0	٠,	.0			
/2<1	4-10	.0	•0	.0	.0	ě	ě	.6	. 0	.ŏ	-0	•0	
	11-21	.0	.0	.0	.c	.0	.ŏ	.ŏ	.ŏ	:ŏ		•0	
	22+	.0	.0	.0	.0	.0	.0	.č				.0	
	TOT %	.0	.0			ě	ĕ	ě		•0	_	.0	
				-	••	••	••	••	.0	.0	.0	.0	
	0-3	.0	.0	•0	.0	• 0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	. 0	.0	••		
	11-21	.0	.0	.0	.0	.0	. 0	.0	.ō			ö	
	22+	٠٥.	.c	.0	.0	.0	.0	.0	٠	.0		ĕ	
	TOT \$	. 0	.0	•0	•0	•0	.0	.0	.0	ò	.0	ö	
	0-3	.0	.0	.0	.0	.0	.0	.0	. 2		_		
2<5	4-10	.0	. 5	.5	.5	.5	.5	.5		.0	.0	.0	
	11-21	.0	.0	.0			.5	.5	.,	.0		.0	
	22+	.0	.0		.0	.0	.0	.0		٠,٥		.0	
	TOT %	.0	.0		ě	ě		:ŏ	.0	٠,٥	_	•0	
				• • •	•••	••	••	••	••	•0	•0	.0	
• • • •	0-3	.0	.0	•0	. a	•0	.0	.0	.0	.0	.0	.0	
5<10	4-10	.0	•0	2.0	1.3	.0	.0	.ú	.0	.0	•••	3,3	
	11-21	•0	•0	2.0	8.7	•0	.0	.0	.0	.ŏ		10.7	
	22+	.0	.0	•0	1.3	.0	.0	.0	.0	.0		1.3	
	TOT %	.0	.0	4.0	11.3	•0	.0	٠0.	.0	.ŏ	.0	15.3	
	0-3	٥	.0	.5	.2	•0	.0	.0	.0	.0	_	•	
10+	4-10	.0	.0	9.5	16.5	2.0			.0		.0	7	
	11-21	.0	.0	14.0	37.3	2.5	:6	.ŏ	:ŏ	:0		23.0	
	22+	.0	.0	.0	1.3		.ŏ	.0	.ŏ	:0		54.7	
	TOT %	.o	.0	24.8	55.3	4.5	.0	.0	.0	:0	•0	1.3	

PAGE 130

(

5	£	Ŧ	5	M	R	F	R

PERIOD: (PRIMARY) 1560-1971 (OVER-ALL) 1854-1971

TABLE 10

AREA 0002 CHRISTMAS ISLAND 10.05 105.2E

# PERCENT FREQUENCY OF CFICING HEIGHTS (FEET, HH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (SMT)	000 149	150 299	300 599	999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANV HGT	TOTAL OBS
50503	٠.	.0	-0	7.1	10.7	3.6	3.6	.0	.0	•0	25.0	75.0	28
90340	.0	.0	2.8	13.9	2.8	6.3	5.6	•0	.0	•0	33.3	66.7	36
125.15	.0	.0	.0	13.3	13.3	6.7	3.3	3.3	٠.	•0	40.0	60.0	30
18621	.0	.0	.0	3.6	7.1	10.7	7.1	.0	٠,	• 0	28.6	71.4	28
TOT	0	0	1	12	10	9	. 6	1	0	0	39	43	122

TARLE 11

TABLE 12

		PERCENT	FREO! EN	CY VS8Y	(88)	ey Hüük		CUMULAT					YSBY (74) SUCH YB.E	
HOUR (GMT)	<1/2	1/2<1	1<2	?<5	5<10	10+	TETAL Des	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	.0	.0	.0	10.0	90.0	30	E0300	•0	•0	7.7	19.2	73.1	26
06839	.0	.0	.c	.0	13.3	86.7	45	90360	.0	2.8	16.7	16.7	66.7	36
12615	.0	.0	٠.	.0	20.6	79.4	34	12615	•0	•0	13.8	27.6	58.6	29
18521	.0	.0	.c	.0	17.1	92.9	41	18621	•0	.0	3.6	25.0	71.4	28
TOT	9	U	c	0	23	127	150	TOT	0	1	13	26 21.8	67.2	119

TARLS 13

TABLE 14

	PCT		PERC	ENT FR	EQUENC	Y UF WI	IND DIR	FCTÌON	BY T	EMP										
TEMP F	0-29	30-39	40-49	50-59	40-69	70-79	60-89	90-100	OPS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89 80/84 75/79 707AL PCT		.0		.0 .0	.8 3.3 2.5 8	10.0 30.8 51	11.7 31.7 52	.8 6.7 9	3 L 9 D	2.5 22.8 71.7 100.0	•0	.0		50.8	.0 4.2	.0	.0	.0	.0	.0

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCE	ITILFS	OF TE	HP (DE	G F) 8	Y HOUR		PERC	ENT FRE	<b>ONENCA</b>	OF RELA	TIVE H	YTIGIPL	BY HQUE	ı.
HOUR (GMT)	MAX	992	95%	50%	51	1%	4IN	MEAN	TOTAL 280	HDUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00203	83	82	61	78	76	75	74	78.4	127	60300	.0	•0	4.0	40.0	48.0	8.0	40	25
06609	90	ÌÌ	84	80	77	74	71	80.0	329	90380	.0	.0	20.6	50.0	29.4	.0	76	34
12615	86	85	82	79	75	74	72	78.7	157	12615	.0	•0	•0	34.4	50.0	15.6	82	37
18621	86	13	81	78	75	74	72	78.0	261	18621	.0	•0	.0	44.8	48.3	6.9	80	29
TOT	90	11	83	79	76	74	71	78.9	874	for	Ŏ	ő	•	51	52	9	79	120

SFPTEMBER

PERIOD: (PRIMARY) 1860-1971 (GVER-ALL) 1854-1971

TABLE 17

AREA 0002 CHRISTHAS ISLAND 10.05 105.26

PCT FREG OF A1P TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73 76	77 80	81 84	85 88	TUT	FOG	#0 #06
6 5	٠.	•0	.0	. 9	1 2	.0	.9
5	.0	.9	.9	•0	2	.0	1.7
	.0	2.6	.0	, 9	4	.0	1.4
4 3 2 1 0	.0	1.7	ě	. 9	4	.c	3.4
•	.ŏ	2.6	5.1	ò	ģ	·ò	7,7
•	.,	15.4		ŏ	21		17.9
ī			1.7				
	2.6	23.9	4.3	.0	36	٠.	30.8
-1	1.7	12.0	.0	•0	17	.0	14.5
-2	1.7	7.7	.0	•0	11	.0	9.4
-3	2.6	4.3	.0	.0	8	.0	6.8
-4	.0	1.7	.o	ō	ž		1.7
-5	ö	.,	.0	ō	ī		.,9
					i		
-7/-8	.0	.9	.0	• 0	1	.0	٠,
TOTAL	11		15			0	117
		88		3	117		
PCT	9.4	75.2	12.6	2.6	100.0		100.0

PERIOD: (CVER-4LL) 1963-1971

€

TABLE 18

				PC	T FRFG F	F WIND	SPEED	(KTS) AND	DISE	v POITS	ERSUS S	EA HEIG	HTS (FT)		
=		4-10		N 22-33	34-47	48+	PCT		1-3	4=10	11-21	NE 22-33	34-47	46+	PCT
HGT	1-3		11-21	.0	.0				.0	.0	.0	.0	.0	.0	
<1	.0	.0	•0	.0			.0		.0	.0	.0	.0	.0	.0	.0
1-2 3-4	• 2	.0	•0	.0	• ?	.0	.0		ŏ	ő	:0	.ŏ	ě	.ŏ	.ŏ
	•0	.0	•0	.0	•0	.0	.0		.0	.0	:0	:0		.ŏ	ě
5-6	•0	.0	•0		.0		.0		.0		:0	:0	ě	ö	.0
.7_	.0	.0	.0	.0	.0	•0	•0		Ö	.0	:0	:0		ö	.0
8-9	.0	.0	9.0	.0	.0	.0	.0		ŏ	ě	:0	 5.	٠٥		.ŏ
10-11	.0	.0	•0	.0		.0	.0		ŏ	.0	ö				
12 13-16	.0		.0	.0	.0		•0		.0	ö	:0	:0	٠٥		
		.0		.0	.0		.0		ŏ	ŏ			ě		
17-19 20-22	.0		.0	.0	.6	.ŏ			ŏ				ŏ	.0	
23-25	٠٥	.0	.0		.ŏ	.ŏ	.ŏ		ŏ	.0	.0	.ŏ			
26-32	.0	.0	٥.		.č		.č		Ö	.0		:0	.0		ě
33-40		.0	.0	.ŏ	č				ó			.0	•0		.0
41-48	.0	.0	.0		ĕ		.ŏ		6	.0				.0	.0
49-60	.ŏ	.0	.0	.0		.0	:ŏ		ŏ	.ŏ	.0	.0	.0		.0
61-70	.0	.č	.0		.c	.0			.0	٥			•0	.0	•0
71-86	.0	.0	.0	.0	.ŏ		·ŏ		ò	ō	ě				.0
87+	.0	·ŏ	.0		.0	.ŏ	č			.0	.0		.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	•0
101 101	.0	••	•0	••	••	••	••		••	•••		•••	•••	•••	•••
				F						4-10		5E 22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCT		1-3		11-21				
<1	.0	.0	.0	.0	.0	•0	0		•0	0	.0	•0	•0	٠0	10.8
1-2	.0	4.9	5.5	.0	.0	.0	7.1		•0	7.1	3.7	0	•0	٠,	26.5
3-4	.0	5.6	9.7	.0	۰,0	.0	15.3		•0	1.9	21.6	3.0	•0	.0	12.7
5-6	•0	.0	11.2	.0	.c	.0	11.2		0.	.0	11.0	7.0	:0	:0	11.9
7	.0	.0	•0	٠.	.0	٠.	•0		٠٥	.ö		.0	:0	:0	
8-9	.0	.0	•0	.0	.0	.0	.0		.0	:0	:0		.0	.0	.0
10-11	.0	.0	.0	••	.0	.0	•0		.0	• • •	:0	.0	:0		.0
.12	.0	.0	.0	.0	.0	.0	.0		.0	:0	::	:0		ŏ	ŏ
13-16	.0	.0	.0	.0	••				ŏ	.0	.0	.0	.0	.0	•0
17-19	.0	.0	.0	.0	.0	•0	•0				:č	.0			.0
20-22	•0	•0	•0	.0	٠,	•0	•0		ě	ě					·ŏ
23-25	•0	.0	.0	.0	.0	•0	•0						•0		
26-32	.0	.0	•0	.0	•0	.0	•0		.0	.8	:0	:0	.5	.0	.0
33-40	.0	.0	.0	.0	• 0	•0	•0		.0	:	.6				
41-48	•0	٠.0	.0		٠.	٠,٥	•0		.0	.0	.0		.0	.ŏ	.0
49-60	.0	.0	.0	.0	.0	.0	•0		.0	:0	.0	.0	:0	.0	.0
61-70	.0	.0	•0	.0	.0	.0	•0		.0	.0	.6	.0	•0	:0	•0
71-86	•0	.0	•0	•0	.0	٠.	•0		.0	.0	.0	.0	•0	.0	.0
87+	.0	0	0	.0	.0	.0	0		,0	•.0	47.0	4.0	.0	:0	61.9
TOT PCT	.0	10.4	23.1	.0	.0	.0	33.6		30	7.0	9/49	2.0	•••		01.14

PAGE 132

PERIOD	/nue		1043					\$	EPT#HBER							
PERIOD	1015	R-ALL!	1703-	14/1				TABLE	18 (CONT	,			AREA		HRISTA S 109	145 ISLAN 1.28
				<b>P</b> (	T FREG (	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS :	EA HETO	HTS (FT			
HGT	1-3	4-10	11-21	S 22-13	34-47							SW				
<1	0	0	.0	.0	.0	48+	PCT		1-3	4-10		22-33	34-47	40+	PCT	
1-2		.ŏ	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	•0	•0	
3-4	.0		3.ŏ		.6	:6	3.0		.0	:0	:0	.0	•0	•0	•0	
5-6	. o	.0	1.5		.ŏ		1.5		.0	iŏ		.0	•0	.0	.0	
7	.0	.0	•0	.0	.0	.0			ě	ŏ		.0	•0	.0	.0	
8-9	.0	.ŏ	.0						ě	.0			•0	:0	.0	
10-11	.0	.0	.0	.0	, c	.0	.0		.0	, ŏ	ñ		•0	.ŏ		
12	•0	.0	.0	.0	.0	.0	. c		.0	.0	.0		•0			
13-16	٠.	.0	.0	.0	.a	.0	.0		.0	, 0	ň	.0	.0			
17-19	.0	٠.	.0	.0	.9	.0	.0		.0	.0	.0	.0	•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		·U	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	•0	•0	•0	.0	•0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	•0	.0	.0	.0		•0	.0	.0	•0	•0	.0	.0	
33-40	.0	. 0	•0	•0	.0	.0	.0		•0	•0	.0	.0	•0	.0	.0	
41-48	.0	.0	•0	.0	٠.	.0	.0		•0	•0	.0	.0	•0	.0	.0	
49-60 61-70	.0	.0	•0	.5	•0	•0	•0		•0	.0	.0	•0	•0	•0	•0	
71-86	.0	.0	•0	.0	.c	•0	ن.		•0	•0	.0	•0	•0	.0	•0	
87+	.0	.0	•0	•0	•0	•0	٠Ç		•0	•0	.0	•0	•0	.0	•0	
TOT PCT			4.5	.0	٠,	.0	, · c		•0	•6	.0	•0	•0	.0	•0	
101 - 61	••	••	4.5	•0	.0	.0	4.5		•0	.0	•0	•0	•0	•0	•0	
				¥								NW				TOTAL
HGT	1-3	4-10	11-21	27-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	•0	.0	•0	.0	•0	•0	•0		.0	.0	.0	.0	•0	.0	•0	. • .
1-2	•0	•0	• 0	•0	.0	•0	.0		•0	.0	.0	.0	•0	.0	.0	
3-4 5-5	٠.	٠0	•0	.0	.c	.0	•0		•0	.0		.0	•0	.0	.0	
7	.0	.0	•0	•0	.0	•0	.0		•0	•0	.0	.0	•0	.0	.0	
8-7	.0	.6	•0	.0	.0	•0	•0		•0	.0	.0	.0	•0	•0	•0	
10-11	č		.0	.0	.0	.0	•0		.0	•0	.0	••	•0	•0	•0	
12	. 3	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	•0	•¢	
13-16		.0	.0		ě	·ŏ			č		.c	.0	.o 3.	.0	•0	
17-19	.0	.ŏ		.0	ň	.8			ŏ	:0	:0	.0	٠٥	:0	•0	
20-22	.0	.0	'n	.0	.0				.0	.0			.0	.ŏ	.0	
23-25	.0	.0	.0	.0	.0	.ŭ			ŏ	.0		.0	ě	ö	.0	
26-32	. 0	.0	.0	•0	. 6	.0			.0		.0	.0	.0	ŏ	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0					
41-48	• 0	.0	.0	.0	.0	40	.0		.0	.0	.ŏ			ŏ		
49-60	.0	.0	.0	.0	.0	. 6	. 0		.0	, ñ	ň		.0	.0		
<b>61</b> 070	.0	.0	.0	.0	•0	.0	.0		•0	.0	.0	.0	•0	•0	.0	
71-86	.0	.0	•0	٠0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	۰0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
TOT PCT	•0	.0	•0	.0	.0	.0	.0		•0	٠.	.0	.0	•0	.0	.0	100.0

*

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT1		
MOT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.0	.0	.0	.0	.0	.0	.0	085
1-2	.0	11.9	0.0	.0	. 9	.0	17.9	
3-4	.0	7.5	34.3	3.0	.0	.0	44.8	
5-6	.0	.0	22.4	3.0	.0	.0	25.4	
7	.0	.0	11.9	.0	.0	.0	11.9	
8-9	.0	.0	.0	.0	.0	.0		
10-11				ŏ	.0	.0	ě	
12	.0		.0	ŏ	.0	.0	.ŏ	
13-16	.0			.õ	.0		·ŏ	
17-19		ě		.0				
20-22		:ŏ		ő	.0	ŏ	.ŏ	
23-25				ŏ				
26-32	.0	:0		.0	.,	.0		
33-40	.0	.0	::	:0		.0	•0	
41-48	.0			.0		.0	•0	
49-40		•0	.0				.0	
	.0	٠0	•0	•0	•0	.0	•0	
61-70	•0	.0	.0	•0	•0	.0	•0	
71-86	•0	• 0	•0	•0	•0	.0	•0	
67+	•0	•0	•0	•0	•0	.0	.0	
TOT PCT		19.4	74.6	6.0	.0	-0	160.0	67

OCTOBER

PERIOD: (PRIMARY) 1863-1971 (OVER-ALL) 1854-1971

TABLE 1

AREA 0002 CHRISTMAS ISLAND 10.05 105.0F

PERCENT FREQUENCY	OF WEATHER	OCCURRENCE	BY WIND	DIRECTION

PRECIPITATION TYPE OTHER MEATHER PHENOMENA															
WND FIR	RAIN	RAIN SHUR	ORZL	FRZG PC®N	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	F06 40 90P4	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUS BLWG SND	
N	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	•0	.0	.0
NE	.0	.0		.0		.0	·c	. ú	.0	.0	. 3	. 0	•0		100.0
	. 5	. 0	.0	.0	. 0	.0	.с	.0	2.2	.0	.0	.0	.0	.0	97.8
€ S€	1.9	1.9	.ö	.ŏ	.0	.0	.0	3.8	2.1	.0	.0	•0	•0	.0	94.1
Š	.0	.0	.0	.5		.0	.0	. 2	• 2	.0	.0	•0	•0	•0	100.0
Š'n	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	• ¢	.0	•0	100.0
W	.0	.0	.0	.0	.0	.0	.5	.0	•0	.0	.0	.0	.0	•0	.0
44	.5	.0	.0	.0	.0	.0	.c	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	. 0	.5	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0
CALM	.0	.0	.0	.0	. 0	.0	.c	.0	.0	,c	.0	.0	• • •	.0	.0
TOT PCT	1.3	1.3	.0	.0	۰.	.0	•0	2.6	2.6	.0	.0	•0	•0	•0	94.8

TAPLE 2

#### PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE											CTHER WEATHER PHENDHENA						
HOUR (GHT)	RAIN	RAIN SHER	787L	FRZG PCPN	NCM	OTHER FRZN PCPN	HAIL	PCP4 AT OB TIME	PCPN PAST Hour	THOR	#06 #0 PCPN	FUG MO PCPN PAST HR	SMOKE	SPRAY BLWG JUST BLWG SNOW			
00£03 06£09 12£15 18£21	2.6 .0 .0 2.7	.0 2.4 2.7	.0	.0	.0		.0	2.5 2.4 2.7 2.7	2.6 .0 4.1	.0	.0	.0	•0	.0 .0 .0	94.7 97.6 89.2 97.3		
TOT PCT	1.3	1.3	.0	.0	.0	•0	.0	2.6	2.6	•0	.0	.0	•0	•0	94.6		

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND CIR	0-3		11-21			48+	TOTAL DBS	PCT FRFQ	MEAN SPD	00	03	06	HOUR 09	(GHT) 12	15	18	21	
NE	•2	1.2	.6	.0	•0	.0		2.0	8.5	1.4	•0	4.3	2.9	1.5	.0	1:1	1.5	
E		6.9	21.9	5.5	.1			35.3	15.0	36.9	•0	36.1	37.9	32.5	25.0	34.2	35.0	
ŠE		9.6	32.1	6.7	.4	.0		49.4	15.6	47.1	100.0	47.3	43.3	51.2	64.3	56.6	50.0	
\$	• 2	2.5	3.8	. 4	.0	.0		6.8	13.0	7.8	•0	4.7	5.0	8.0	10.7	5.9	9.2	
Šb	.2	. 5	.0	.0	.0	,0		. 6	4.2	.7	• 0	. 9	. 4	1.5	.0	.0	•0	
W	.2	. 4	. 1	. 2	.0	.0		. 9	11.5	.3	•0	1.6	. 0	.6	.0	.0	1.5	
ÑЪ	.4	1.0	.2		.0	.0		1.7	6.9	1.0	• 0	1.6	3.3	1.8	.0	1.1	1.5	
VAR	. 0	.0	.0	.0	•0	.0		.0	.0	•0	•0	.0	.0	•0	.0	.0	•0	
CALP	. 8								,0	1.4	•0	. 4	.0	1.2	.0	. 7	.8	
TOT CBS	36	220	551	121	5	0	933		14.7	147	1	223	120	169	7	136	130	
TOT PCT	3.9	23.6	59.1	13.0	.5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TARLE 3A

					- ,,,,,	••						
WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00 03	HDU# 06 09	(GHT) 12 15	18 21
N	.7	1.2	.1	•0	.0		2.0	8.5	1.9	3.0	1.4	. 4
NE	1.2	1.0	• 4	•0	٠.		2.6	8.4	3.4	3.1	1.7	1.3
€	3.1	12.8	18.3	1.0	.0		35.3	15.6	36.7	36.7	32.2	34.6
SE	2.0	21.6	23.5	1.4	.0		49.4	15.6	47.5	45.9	51.7	53.4
5	.7	3.9	2.2	.0	.0		6.8	13.0	7.8	5.1	8.1	7.5
Š₩		.0	.0		.0		. 6	4.2	.7	.7	1.4	•0
₩ .	.3	.3	. 2	.1	.0		.9	11.5	,3	1.3	.6	
NH	1.1	.6	.0		.0		1.7	6.9	1.0	2.3	1.7	1.3
VAR	.ŏ	•0	.0		.0		.0	.0	.0	.0	.0	•0
CALR								.0	1.4	.3	1.1	
TOT DAS	105	387	417	24	0	133	• • •	:4.7	148	343	176	266
TOT ACT	11.3	41.4	44.7		۵۰		102-0		100.0	100-0	100.0	100.0

PAGE 134

€ €

}

OCTOBER

PERIOD: (PRIMARY) 1863-1971 (OVER-ALL) 1854-1971

TABLE 4

AREA 0002 CHRISTMAS ISLAND 10.05 105.0E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

				UIND	SPEED (	KNOTSI			PCT	TOTAL
₽BUR	CALH	1-3	4-10		22-33		48+	HEAN		385
60603	1.4	4.7	23.6	54.7	15.5	.0	.0	14.3	100.0	148
90360	. 3	4.1	22.4	60.9	11.4	. 9	.0	14.7	100.0	343
12615	1.1	4.3	27.3	59.1	10.2	.0	.0	14.1	100.0	175
12621		1.5	22.6	59.0	15.4	. 8	.0	15.3	160.C	266
TOT	7	29	220	551	121	5	0	14.7		933
PCT		3.1	23.6	59.1	13.0	.5	.0	-	100.6	

TAPLE

TABLE 6

P	CT FRE			CLOUD A		EIGHTHS)		1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & DBSCD	TCTAL CBS	MEAY CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	.0	.0	•0	.0		• 2	.0	•0	.0	.0	.0	۰,	.0	.0	.0		•0	
NE	.0	. 2	. 9	. 2		6.6	•0	• ^	.0	.0	. 2	.0	.0	•0	•0	. 5	1.2	
•	6.4	6.6	8.7	.7		4.3	•0	. 0	.0	.7	.7	. 9	.0	•0	.0	.0	20.0	
ŠE	17.2	21.2	21.5	5.7		4.0	• 0		.0	3.1	4.7	2.8	.9	•0	•0		54.0	
•	2.8	4.0	1.9	.0		3.4	• 0		.0	.0	.0	.0	.0	•0	•0	.0	8.7	
w2	0	1.9		.0		3.5	•0	• 0	.0	.0	.0	.0		•0	• 0			
		ó	.c	.0		.0		.0	. 0	.0	.5	•0	.0	•0	•0	.0	•0	
ÑW	.3			•0		.0	.5			.0			.0	·c		.5	•0	
VAR		.0		•0		•0	.0		.0	.0	.0	.5	.0	•0	•0		•0	
	• • •	•		.0			ŏ	.0	ò	ŏ	.0		Ğ	.0	.0	.5	.0	
CALM TOT DAS	.C 28	36	35	• • •	106	4.0	• 7	• ~	• 3	• • •	٠,	••	• 1	• 6	• ,	• ~	91	106
TOT PCT	26.4	34.0	13.0	6.6	100.0	700	•0	• 6	.0	3.6	5.7	3.8	. ;	•0	•0	•0	85.8	100.0

TARLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CELLING HEIGHT	(NH 34/8) AND VS8Y (I.M)

				VSBY (NH	)			
CEILING	■ '3R	- DR	• OR	■ nk	• DR	• GR	• OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• CA >6500	.0	.0	.0	-0	.0	.0	•0	.0
<ul><li>□ PK &gt;5000</li></ul>	.0	•0	.0	.0		ن.	. 3	.0
■ OR >3500	. •	.9	. 9	. 9	.9	.9	. 9	
■ DR >2000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
• DR >1000	6.5	9.3	10.3	10.3	10.3	10.3	10.3	10.3
■ DR >600	9.3	13.1	14.0	14.0	14.0	14.0	14.0	14.0
■ CR >300	9.3	13.1	14.9	14.0	14.0	14.0	14.0	14.0
■ OR >150	9.3	13.1	14.0	14.0	14.0	14.0	14.0	14.0
• DR > 0	9.3	13.1	14.0	14.0	14.0	14.0	14.0	14.0
TOTAL	10	14	15	15	15	15	15	15

TOTAL NUMBER OF OBS: 107

PCT FRED NH <5/81 86.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 UBSCO TOTAL 5.8 18.3 19.2 25.0 16.7 3.3 5.0 2.5 4.2 .0 120

nr.	TO	R	E	ı

								0-6-					
PERIOD: (PRIMARY) (CVER-ALL)	1863-1971 1854-1971						TAF	LE 6				ARE	EA 0002 CHRISTMAS ISLAN 10.05 105.0E
		P	ERCENT	FREQ PREC	OF WIN TATITI	D DIRE	CTIEN Y	ING V	IRRENC LUES	E GR N De Vis	181L11	URRENC	CE OF
VSBY (NH)		٨	٩E	E	SE	\$	Sw	4	Wn	VAR	CALH	PCT	TOTAL OBS
	PCP	.0	٠,	.0	.0	•0	• ^	.0	.0	.0	.0	.0	
<1/2		.c	.0	.0	•0	•0	•0	.0	.0	.0	.0	.0	
	TOT %	.c	.c	•0	.0	•0	•0	.0	•0	.0	•0	.0	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
1/24	1 NO PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	ŏ	
	TOT %	.0	.0	.0	.0	• 0	ň	ŏ	.0	·ŏ	•0	ě	
	PCP	.c	.e	.0	.0	.0	•0	.0	.0	.0	. 3		
1<2	NO PCP	.c	.0	ŏ		.ŏ	ò	ě	ě	:ŏ	•0	.0	
	TOT %	• C	.0	.0	.0	•0		.ŏ	.0	•0	•0	.0	
	PCP	.0	.0	٠,	.7	•0	•0	•	.0		_		
2<5	ND PCP	ò	.ŏ	.ŏ	:6	:ŏ	.0	.0	ě	:0	•0	:7	
	TOT \$	.0	.0	.0	.7			ŏ	.0	.0	•0	.,	
	PCP	.0	.0	.0	2.0	.0	.0	.0	.0	.0	•0	2.0	
5<12		.7	ž	1.1	6.0	1.1	.0	ĕ		.0	•0		
	TOT \$	.7	.2	i.i	8.0	i.i		ě	.ŏ	.0	•0	9.2	
		_				-	-	-	, -	••	••	••••	
	PCP	.c	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0	
10+	ND PCP	.0	. 6	21.1	60.1	4.9	1.3	.0	•0	.0	•0	88.2	
	TOT \$	• C	. 8	21.1	60.1	4.9	1.9	•0	•0	.0	•0	88.2	
	TOT OBS												153
	TOT PCT	7	1.0	22.2	64.6	6.0		•			_		138

TABLE 9

	PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY												
VSRY	SPD	N	٩E	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
(NM)	KTS		_	_		_		-	***	***	CALI	70.	OBS
	C-3	.0	.0	.0	.0		.0	.:	.:	.0	.0	.0	203
<1/2	4-10	.0	.0	.0	.0	.0	.0	• ?	.0		•••	.č	
	:1-21	.0	. C	.0	.0	.0	.0	.0		.0			
	22+	.0	•0	.0	.0	.0	.0	.0	.0	.0		.ŏ	
	TOT \$	.0	•0	•0	•0	•0	٠.	٠٥	٠.	.0	•0	ō	
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	•0	•0	•0	.0	.0	.0	.ů	.0		.0	
	11-21	.0	•0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+ 101 \$	.0	.0	•0	.0	.0	•0	.0	.0	.0		.0	
	101 %	.0	•0	•0	•0	•0	.0	•0	.0	.0	•0	.0	
	0-3	.0	.0	•6	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	•0	.0	•0	.0	.0	. ၁	.0		.0	
	11-21	.0	.0	.0	.0	•0	.0	•0	.0	.0		.0	
	22*	.0	•0	•0	•0	•0	.0	.0	.0	.0		.0	
	TOT \$	•0	•0	•0	.0	•0	.0	.0	.0	.0	•0	.0	
	0-3	•0	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	•0	• 0	٠0.	.0	.0	.0	.0	.0		.0	
	11-21	.0	•0	.0	.6	.0	.0	.0	.0	.0		. 6	
	22+	•0	•0	•0	.0	.0	.0	•0	•0	.0		.0	
	TOT \$	.0	•0	•0	.6	•0	.0	.0	.0	•0	•0		
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10 11-21	•0	•0	• 0	3.9	.5	.0	٠.0	.0	.0		4,4	
	22+	.6	٠2	.5	3.0	• •	•0	٠0	٠.	•0		5.7	
	TOT &		٠0	6	0	•0	.0	•0	•0	•0			
	101 %		•5	1.1	7.7	1.1	•0	.0	.0	•0	•0	10,7	
10+	0-3	.0	•0	1.7	1.4	٠,	.6	.0	.0	.0	.0	3.8	
10+	4-10	.0		14.3	23.6	2.8	• •	•0	.0	.0		42.1	
	11-21	.0	.0	5.7	33.3	1.9	.0	•0	٠0	.0		40,9	
	22+	.0	.0		1-1	.0	.0	-0	.0	.0		1.9	
	TOT \$	•0	. 8	22.5	59.4	4.7	1.3	.0	.0	.0	•0	88,7	
TOT DAS		.6	.9	23.6	67.8	5.8	1.3	•0	.n	•0	•0	100,0	159

PAGE 136

(

•

13 (1)

PERIOD:	(PRIMARY)	1663-1971
	(OVER-ALL)	1854-1971

TABLE 10

AREA 0002 CHRISTMAS ISLAND 10.05 105.0E

## PERCENT FREQUENCY OF CEILING HEIGHTS (FEET/NH >4/8) AND CCCURRENC? OF NH <5/8 BY MO::R

HDUR (GHT)	000 149	140 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8	
00603	.0	٠.	.0	2.9	5.9	5.9	.0	.0	.0	• 5	14.7	85.3	34
06609	.0	.0	•0	3.6	3.6	3.6	.0	.0	.0	•0	10.7	89.3	28
12615	.0	.0	.0	•0	3,4	.0	3.4	.0	.0	•0	6.9	93.1	29
18821	.0	.0	•0	7.7	7.7	3,8	.0	.0	.0	.0	19.2	80.8	26

0 0 0 4 6 4 1 0 0 0 15 102 1 .0 .0 .0 3.4 5.1 3.4 .9 .0 .0 .0 12.8 87.2 100

TARLE 11

TABLE 12

		PERCENT	FREGIEN	CY VS8	Y (NH)	BY HOUR		CUMULET					VSBY (NM) JJBY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TCTAL OBS	HOUR (GHT)	<150 <50YD	<500 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
€0300	.0	.0	•0	2.6	7.7	89.7	39	00603	•0	.0	6.5	9.7	83.9	31
90360	.0	٠.	.0	.0	11.1	88.9	45	90360	•0	•0	3.6	7.1	89.3	28
12615	.0	.0	.0	.c	13.5	86.5	37	12715	.0	.0	.0	8.0	92.0	25
18621	.0	٠.	.c	.0	10.3	89.7	39	18621	•0	٠.	3.7	13.0	78.3	23
TCT PCT	.0	.0	.o	.6	17	142	160 100.0	TGT PCT	.°	.0	4.7	9.3	92	107 100.0

TABLE 13

PERCENT PRESURENCY OF RELATIVE HUMIDITY BY TEMP

TOTAL PCT

TOTAL P

TABLE 15

TABLE 16

	1.00																	
	HEANS,	EXTREM	ES AND	PFRCEN	ITILFS	OF TE	4 <b>P</b> (DE	G F) B	NUCH Y		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIN	BY HQUA	t
HOUR (GHT)	MAX	99%	95%	50%	5×	18	HIN	MEAN	TOTAL Sec	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00603		85	82 84	7 <del>9</del> 80	76 77	74 75	73 66	79.2 80.4	144 335	00603	•0	•0	19.2	34.4 53.4	50.0	15.6	82 77	32
12615		83	82 81	79 78	76 76	75 73	74 69	79.1 78.2	171 253	12615 18621	0.0	•0	7.1	25.0 26.1	67.9	4.3	80 82	28 23
TOT	17	45	83	79	76	73	66	79.4	903	TOT	Ö	70		38	55	***	80	109

OCTUSER

PERIGD: (PRIMARY) 1863-1971 (CVER-ALL) 1854-1971

TABLE 17

AREA 0002 CHRISTMAS ISLAND 10.05 105.0E

100.0

PCT FREG OF AIR TCHPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65 68	69 72	73 76	77 80	31 84	85 88	39 92	TOT	₽DG	#D FOG
9/10	.0	.0	.0	.0	.0	.8		2	.0	1.6
5	.0	.0	.0	• 0	. 8	.0	.0	1	.0	
4	.0	.0	.0	.0	2.5	. 8	٠.٥	4	.0	3.3
3	.0	.0	.0	.0	1.6	.0	.c	2	.0	1.6
2	.0	.0	.0	4.1	7.4	.0	.0	14	•0	11.5
ì	.0	.0	.0	9,5	4.1	.0	.0	17	.0	13.9
ō	.0	.0	.0	11.9	4.9	.0	.0	23	.0	18.9
0 -1	.ŏ	.0	.0	16.4	.0	.0	.0	20	.0	10.4
-2	.0	.0	2.5	9.8	2.5	.0	.0	18	.0	14.8
-2 -3	.0	.0	.0	7.4	.0	.0	. 5	0	•0	7.4
-4	.0	. 8		4.9	.0	.0	•0	8	.0	6.6
-4 -5		.0	. 8	.8	.0	.0	.0	3	.0	2.5
-6	.0	.0		.0	.0	.0	.0	ì	.0	
TOTAL	ĭ	• •		• •	.0 2+	• • •		•	•0	122

1 82 23.4 1.6 .8

PCT

PERIOD: (OVER-ALL) 1963-1971

(

(

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11=21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1=2 3=4 5=6 7 8=9 10=11 12 13=16 17=19 26=32 33=40 41=48 49=60 61=70 71=86 71=86 1-3 11-21 1-3 4-10 4-10 11-21 .0 1.5 3.3 1.1 .0 .0 .0 .0 .0 .0 .0 14-47 .00-00 .00-00 .00-00 .00-00 .00-00 .00-00 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
24-32
24-33-40
41-48
49-60
71-86 1-3 4-10 .0 3.7 .0 .0 .0 .0 .0 .0 .0 PCT 1.5 21.0 220.7 12.5 5.1 1.5 1.5 1.5 1.5 1.5 1.5 1.7 1.7 1.7

PAGE 138

1) (1)

			10.1	071					OCTOBER				A2EA	0002	CUPICTU	AS ISLAND
PERIOD:	COVE	(-ALL)	[463-1	971				TABLE	18 (CONT	3			AREA		05 105	
				PC	T FRED C	F WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	EA HEIG	HTS (FT)			
				s								56				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	•0	0	0	.0	• 0	•0	0		.0 1.5	.0		•0	•0	.0	1.5	
1-2 3-4	.0	3.7 1.5	1.1 3.3	.0	.0	•0	4.8		1.5	.0		.0	•0	.ŏ	1.0	
5-6	.0	1.0	1.5	.0	.0	.ö	1.5		.0			:0	.0			
7	.5		í,	.ŏ	.0	.0			.0			.0	•0	.0	.0	
6-9			.0		ŏ	.0	.0		. 0	.0		.0	.0	.0	.0	
10-11	ě	.0	• 0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
12	.5	.0	.0	.0	. 0	.0	•0		.0	.0		. 5	.0	.0	.0	
13+16	.0	.0	.0	. 0	. 9	.0	.0		.0	.0	.0	.0	.0	.0	•0	
17-19	.0	.0	.(	.0	.0	.0	.0		٠,	.0		.0	• 3	.0	.0	
20-22	.0	.0	•^	.0	• ?	.0	• C		•0	•0		.0	•0	.0	.0	
23-25	٠.	•0	•0	.0	.0	.0	.0		.0	• 0		. ၁	• 0	۰.	•0	
26-32	• •	.0	•0	٠,	٠,	•0	.0		•0	• 0		•0	•0	.0	.0	
33-40	.0	•0	•0	•0	.0	•0	•0		•0	• 3		•0	• 3	.0	•0	
41-48	•0	.0	•0	.0	•0	•0	•0		•0	• 9		•0	•0	•0	•0	
49-60	.0	. c	•0	.0	٠.	٠,٥	•0		•0	• 0		.9	•0	.0	.0	
61-70	•0	.0	•0	•0	•0	•0	•0		•0			•0	•0	.0	.0	
71-66	•0	.0	•0	.0	.0	.0	•0		.0	:		.0	•0	.0	.0	
87+ TOT PCT	.0	5.1	5.9	.0	.0	.0	11.0		1,5	:		.0	.0	:0	1.5	
101 -01	• •	,	,,,,	••	••	••			.,,	•	•••	••	••	•••	• • • •	
				*						4-14		NW 20		4	PCT	TOTAL PCT
HGT	1-3	4-10 .0	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47 •0	48+	•0	PCI
<1	•0	.0	•0	•0	.0	•0	.0		.0			•0	.0	.0		
1-2 3-4	.0	.0	•0	.0	.0	.0	.0		.0			.0	.0	.0	,ŏ	
5-6	:ŏ	.0	.0	.0	.ŏ	.0	ŏ		ŏ			.0	.0			
7	.3		2.6	.5	.ŏ	.0	.0		, c			.0	.5	.0	.0	
8-9	·õ	.0	.0	.0	.0	•0	.0		.0			.0	.0	.0	•0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	. (	0.0	.0	•0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	. (	0.0	•0	•0	•0	•0	
13-16	.0	.0	.0	.0	.0	.0	.0		•0	• (		.0	•0	.0	.0	
17-19	٠.٥	.0	•0	.0	.0	•0	.0		•0	•		•0	•0	.0	.0	
20-22	٠.	.0	.0	.0	٠.٥	•0	• 0		•0	• 9		•0	•0	.0	•0	
23-25	.0	٠,	•0	•0	٠,	.0	•0		• ^	• 9		.0	•0	.0	•0	
26-32	٠.	.0	•0	.0	•0	.0	.0		•0	• !		•0	•0	•0	•0	
33-40	.0	.0	.0	•0	•0	•0	.0		•0	• !		•0	•0	•0	•0	
41-48	.c	.0	•0		.c	•0	٠,		•0	• •		.0	• 0	.0	.0	
49-00	.0	• • • •	•0	•0	.0	••	۰.0		•0	•		•0	•0	.0	•0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	:0	.0	
87+	.0		•0		ě	.0	.ŏ		ŏ			.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0			č				•0		.0	100.0
10. 761	••	•••	••	••	••	•••	•••		•••	•		•••	•••	• • •	• •	

	WIND	SPEED	(KTS)	VS 584	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-39	34-47	48+	PCT	TOT
<1	.0	1.5	.0	.0	.0	.0	1.5	OBS
ì-2	1.5	20.6	10.3		. 0	.0	32.4	
3-4	2.9	10.3	25.0			.0	38.2	
5-6		2.9	14.7	.0		.0	17.6	
7	ě		5.0	1,5			7.4	
8-9	.0	.0	1.5	0			1.5	
10-1:	.ŏ	.ŏ		1.5	.0	.0	1.5	
12	ŏ				.0	.ŏ	:.ó	
13-16	ŏ	•0	š	.0	.0	.5	.0	
17-19	.0	:0		.0		.ŏ	ě	
20-22	.0	.0	.0	ŏ			.0	
23-25	.0	.0	.0	ř			.0	
26-32	.ŏ			. 0			٥٠	
		•0	.0					
33-4C	.0	•0	.0	• 0			.0	
41-46	.0	•0	٠,	.0			٠.	
49-60	.0	.0	.0	•c			.0	
61-70	.0	•0	.0	.0			.0	
71-86	.0	•0	.0				.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								68
TOT PCT	4.4	35.3	57.4	2.9	.0	•0	100.0	

PERIOD: (DVER-ALL) 1949-1971 TABLE 19 PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 87+ TQTAL MEAN HGT ... 47 3 ... 23 5 ... 11 5 ... 6 ... 0 0 0 ... 0 0 ... 0 0 ... 7 4 ... 0 100 ... 0 4 1-48 49-60 61-70 71-86

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0

.0 .0 .0 .0 .0 1-2
1.9 12.6
.0 1.0
.0 1.0
.0 1.0
.0 .0
.0 .0
.0 .0
.0 2.9
2 19
1.9 18.4 12 13-16 17-19 20-22 23-25 26-32 33-40 3-4 22.3 12.6 5.8 1.0 .0 1.9 45 43.7 7.8 9.7 1.0 1.0 .0 .0 1.0 1.9 1.0 1.0 .0 .0 12.6 1.0 1.0 1.0 .0 .0 2.9 19 .0 4.9 1.0 .0 .0 .0 1.0 7 .0 .0 1.0 .0 000000000 .0 1.9 1.0 .0 .0 .0 ...... ........ 0000000000 0000000000 .........

TABLE 1

AREA GUOZ CHRISTHAS ISLAND 10.05 104.9E

PERCENT	FREQUENCY	ΩF	HEATHER	OCCURRENCE	RV	MENA	AIRCTIC

			F	RECIPI	TATIO	N TYPE					DTHER WEATHER PHENDARNS				
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT BB TIME	PCPH PAST HDUR	THOR LTNG	FOG WO PCPN	FOG NO PCPN PAST HR	SHOKE		
N NF E SF S S N W VAR CALM	.0 14.3 4.4 4.5 .0 40.0	3.0	40.00	.00000000000000000000000000000000000000	000000000000000000000000000000000000000		000000000000000000000000000000000000000	.0 14.3 4.4 3.4 10.4 0 40.0	.0 .C 4.4 4.9 6.0 .0			.00		.0	100.0 85.7 91.2 91.7 83.5 100.0 100.0
TOT PCT	3.6	1.8	1.0	.0	.0	.0	.0	6.3	4.5	.0	.0	.0	•0	•0	50.0 69.2

TAPLE 2

PERCENT	FREGUENZA	ns	SEATHER	BERMARKEE	

			PRECIPITATION TYPE						OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZŁ	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNDU	
00603 06609 12615 18621	.0 2.4 3.8 9.5	.0 2.4 3.6 .0	.0 2.4 .0 4.8	.0 .0 .0	o. 0. 0.	•0	.0	.0 7.3 7.7 9.5	10.3 4.9 3.6	.0	.0	.0	•0	•0	89.7 87.8 88.5 85.7
TOT PCT	3.4	1.7	1.7	.0	٠,0	•0	•0	6.0	5.1	.9	٠0	.0	•0	•0	88.0

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNC DIR	0-3			22-33		48+	TOTAL OBS	PCT FREQ	MEAN SPD	oo	03	06	HOUR 09	(GMT) 12	15	10	21
N NE E SE S N N N N N N N N N N N N N N	.3 .2 1.0 .5 .5 .0 .3 .8 .0 1.4 29	1.0 1.6 4.3 14.0 6.2 1.9 1.6 .0	.2 13.6 27.5 7.2 1.1 1.6 1.6 .0	2.2 5.3 .5 .1	.0	.0	576	1.8 2.0 21.0 47.3 14.4 3.3 4.0 4.7 .0 1.4	9.5 7.6 14.3 13.9 11.6 13.4 15.7 11.4	3.7 45.3 14.9 3.7 4.8 4.8 0.0 94	.0 37.5 62.5 .0 .0 .0	2.8 23.9 44.5 11.5 3.4 3.2 6.7 .0 1.4	2.7 2.7 17.0 45.5 17.0 3.6 4.5 7.1 .0 .0 56	2.3 .2 2c.2 49.1 17.2 2.8 1.8 3.7 .0 2.8 109	.0	1.2 4.1 13.1 50.9 15.7 3.5 5.8 3.5 2.3 86	1.7 1.7 23.3 48.9 12.5 3.4 5.1 2.3 .0 1.1 88

### TABLE 3A

NND DIR	0-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL USS	PCT PREQ	MEAN SPD	00	06	12 12 15	) 10 21
S Sh W Nh Var Calm Tot drs	1.0 2.8 4.7 2.4 1.2 1.5 1.7 .0 1.4	.8 .9 8.0 25.8 9.0 1.3 1.2 1.4 .0 279 48.4	.3 20.1 16.0 3.0 .6 .8 1.5 .0	.0 .0 .1 .8 .0 .1 .1	.0	576	1.8 2.0 21.0 47.3 14.4 3.3 4.0 4.7 .0	9.5 7.6 14.3 13.9 11.6 13.4 15.7 11.4 .0	.5 1.0 25.0 45.8 14.6 3.6 4.7 4.7 9.0	2.8 22.0 44.8 13.1	2.3 .2 20.2 49.1 17.2 2.8 1.8 3.7 .0 2.8 109	1.4 2.9 18.2 49.9 14.1 3.4 5.5 2.9 .0 1.7 174

NOVEMBER

PERIOD: (PRIMARY) 1862-1971 (CVSR-ALL) 1854-1971

TABLE .

AREA 0002 CHRIS: MAS 15LAND 10.05 104.9E

PERCENTAGE	<b>FREDUENCY</b>	T.F	-140	SPEED	AV	MOLE	. SHT1

				+150	SPEED :	KNOTS)			SCT	TOTAL
-304	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREG	285
00403	. 3	4.2	34.4	51.0	10.4	.0	.0	12.8	100.0	96
06609	1.0	4.6	32.0	55.3	6.6	. 0	. 5	12.8	100.0	197
12615	2.8	3.7	23.9	58.7	10.1	.0	. 9	13.4	100.0	109
10621	1.7	2.3	35.5	48.3	10.9	. 0	1.1	13.5	100.0	174
+.]+		21	184	306	53	3		13.2		576
PCY	1.4	3.6	39	53.1	9.2	-0	. 7		100.0	• •

TARLE 5

TABLE 6

	PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS) NEW YEAR OF TOTAL CLOUD AMOUNT (EIGHTHS)						PERCENTAGE FREQUENCY OF CEILING MEIGHTS (FT/AH 34/8) AND OCCURRENCE OF NM 45/8 BY MIND DIRECTION											
#40 DI#	¢-2	3-4	5-7	3 & 2005CT	7071L 285	MEAN CLOUD COVER	000 149	150 250	300 599	600 600	1000	2000 3499	3500 499°	5000 6499	5500 7490	5000+	44 <5/8 144 467	
N NE E SE S N N N N N N N N N N N N N N N N N N N	3.62	13641 12841	1.6 .3 5.2 25.3 6.0 .0 .0	2.78 2.78 2.54 2.60 1.00 1.00 1.10	91	7.0 4.8 5.0 5.4 7.0 7.0	••••••••		000000000000000000000000000000000000000	.0 .8 2.5 1.6 .0 .0	0379 60 0 00 0 1 H	100000000000000000000000000000000000000			000000000000000	100000000	10.47 01.060 18	9:
TOT PC1		25.4	46.2	13.2	100.0		•5	••	1.1	5.5	12.5	11.0	:.:	• •	•0	1.1	63.7	100.0

TABLE 7

## CUMULATIVE PCY FREG OF SIMULTAMEDUS OCCURRENCE OF CEILING HEIGHT (NH >4/6) AND VSBY (NH)

				VSBY IN	13			
CEILING	• CR	• OR	<ul><li>DR</li></ul>	- CR	• 34	- CA	• 3R	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.:
<ul> <li>□ → &gt;5000</li> </ul>	1.1	1:1	1.1	1.1	1.1	1.1	1.1	1.1
<ul> <li>□ OR &gt;3500</li> </ul>	1.	2.1	2.1	2.1	2	2.1	2.1	3.1
- DR >2000	8.5	11.7	12.0	12.8	12.8	12.8	12.8	12.8
. DR >1000	14.1	26.8	28.7	28.7	28.7	28.7	28.7	28.7
. 3R >60D	20.2	31.9	34.0	34.0	34.0	34.0	34.0	34.0
• DR >300	20.2	33.0	35.1	35.1	35.1	35.1	35.1	35.1
■ DR >150	20.2	33.0	35.1	35.1	35.1	35.1	35.1	35.1
• DR > 0	70.2	33.0	35.1	35.1	35.1	35.1	35.1	35.1
TOTAL	19	3:	33	33	33	11	33	11

TOTAL NUMBER OF DEST 94

PCT FREG NH <5/81 64.9

TABLE 74

PERCENTAGE PREQ OF LOW CLOUDS (EIGHTHS)

C 1 2 3 4 4 6 7 8 085C 285C 7.0 14.0 17.0 25.0 8.0 8.0 9.0 9.0 8.0 .0 100

٧n	./1	: 14	A	c	

							NOAR	noen					
PRIMARY) 1 UVER-ALL) 1							TAR	LE B				ARE	A 0002 CHRIS MAS ISCAND 10.05 104.9E
		P	ERCENT	FREQ	JF WTH	C DIRE	CTION V	ING V	UKRENC ALUES	E OR P	0N-DCC	URRENG Y	.e uf
VSBY (NH)		N	NE	ε	SE	S	S۲	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP NO PCP TOT %	.0 .0	.0 .0	•0	.0	•0	•0	.0	•0	.0	00.0	.0	
1/2<1	PCP ND PCP TDT %	.o .c	.0	.0 .0	.0	•0	•0	.0	.0	.0	•0	.0	
1<2	PCP ND PCP TOT %	.0 .0	.ი .ი	•0	.0	•0	•0	.0	.0	.0	.0	.0	
2<5	PCP NO PCP TOT %	.0	.0	.0 .0	1.8 .0 1.8	•0	•0	.0	.9	.0	•9 •0 •9	7.6 .0 3.6	
5<10	PCP ND PCP TOT %	.0	:	1.4 1.4	9.5 9.7	.7 2.5 3.2	*0 1*1 1*1	.0	.0 .0	.0	•0	.9 14.4 15.3	
10+	PCP NO PCP TOT %	.c 1.4 1.4	.? 1.4 1.6	.7 13.3 14.0	.0 46.2 48.2	.9 11.0 11.9	. r . 9	.0	.0 1.4 1.4	.0	•0 •9 •?	1 ⁵ 79.3 61.1	

TOT 085 TOT PCT 1.4 1.6 15.3 59.7 13.1 2.0 .9 2.3 .0 1.6 100.0

TABLE 9

				PERCE		OF WI					Er		
VSBY (NH)	SPD	N	NE	E	SE	S	5 N	ĸ	HK	VAR	CALF	PCT	TOTAL
1.417	0-3	٠.	.0	.0	.0	.0	.0	.0	.0	.0			885
<1/2	4-10	.0	.0	ŏ	.0	.0	.0	.ŏ	.0	.0	.0	•0	
	11-21	.ŏ	.0	:0	:0	٥٠	:0	:č	.0	:0		.0	
	22+		.ŏ	.0	.ŏ			.ŏ	č			:0	
	TOT &	.0	.0	ŏ	.ŏ	.0	.0	·ŏ	.ň	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		ō	
	11-71	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	55+	.0	.0	• 0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	.0	•0	.0	•0	.0	.0	.0	.0	٠٥.	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	•0	•0	.0	•0	•0	.0	.0	•0		•0	
	11-21	.0	•0	•0	•0	•0	.0	.0	.0	٠.		٠,0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	٥.	.0	•0	•0	.0	.0	•0	٠.	.0	•0	•0	
• • •	0-3	.0	.0	•0	.0	•0	٠0	.0	.0	.0		. 6	
2<5	4-10 11-21	.0	.0	•0	0	•0	٠.٥	.0		.0		. 6	
	22+	.0	٠0	•0	1.6	•0	.0	•0	•0	.0		1.6	
	TOT \$	.0	•0	•0	0	•0	٠,	٠٥	-0	.0	_	0	
		••	.0	•0	1.6	•0	.0	.0	.4	.0	.8	3.1	
5<10	0-3 4-10	٠0	• ?	•0	.•0	0	.0	۰.۵	.0	.0	.0	.0	
3610	11-21	.0	٠,٥	.•0	1.7	1.4	.8	. 5	. 9	.0		3.9	
	22+		•0	1.2	6.6	2.9	٠2	.0	•0	•0		10.9	
	70T %	.0	.0	.•0	1.0	• 0	. • 0	.0	•0	.0		1.6	
		.0	•0	1.2	9.9	4.3	1.0	•0	•0	•0	•0	16.3	
	0-2	.0		1.9	. 4	•0	•0	- 8	.0	.0	.8	3.9	
10+	4-10 11-21	1.2	1.5	5.6	28.9	8.5	.8	•0	1.2	.0		47.3	
		.0	.2	4.5	17.4	5.0	.0	.0	.0	.0		27.1	
	22+ TOT \$	?		0	1.7	6	٠.٥	٠.0	.0	.0	_	2.3	
	101 %	1.2	1.4	12.0	48.4	14.1	.1	. 8	1.2	•0	.8	80.6	
	OT DBS												129
1	OT PCT	1.2	1.4	13.2	59.9	18.4	1.7	. 6	1.9	.0	1.6	100.0	-4,

(

NOVEMBER

PEK100:	(PRIHARY)	1862-1971
	(CVER-ALL)	1854-1971

TABLE 10

AREA 0002 CHRISTMAS ISLAND 10.05 104.9E

## PERCENT FREQUENCY OF CEILING HEIGHTS (FEET/NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00403	.0	.0	3.8	3.8	7.7	15.4	.0	.0	٠.	3.8	34.6	05.4	26
90360	.0	.0	•0	2.9	20.6	5.9	2.9	.0	.0	•0	32.4	67.6	34
12615	.0	.0	.0	13.0	13.0	4.3	.0	.0	٠.	•0	30.4	69.6	23
18621	.0	.c	.0	•0	18.8	18.8	.0	•0	•0	•0	37,5	62.5	16
70T PCT	.0	.0	1.0	5.1	15 15.2	10 10.1	1.0	.0	. ?	1.0	33 33.3	56.7	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NN)	BY HOUR		CUMULAT					VSBY (NK) 1,8Y HOUR	
HOUR (GHT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL CBS</th> <th>HDUR (GHT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 €1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5&gt;</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	10+	TOTAL CBS	HDUR (GHT)	<150 <50YD	<600 €1	<1000 <5	1000+ AND5>	NH <5/8 AND 5+	TOTAL OBS
EC300	.0	.0	.0	.0	24.2	75.8	33	00803	.0	4.2	8,3	29.2	62.5	24
06809	.0	.0	.0	4.3	15.2	60.4	46	90360	•0	•0	6.3	28.1	65.6	32
12615	.0	.0	٠,	3.6	10.7	85.7	28	12615	•0	.0	13.6	18.2	68.2	22
18221	.0	.0	.e	3.6	10.7	85.7	28	18621	•0	•0	6,3	31.3	62.5	16
TOT	.0	0	.c	3.0	21 15.6	110	135	TCT PCT	٥	1.1	5	25 26.6	61	94 100•0

TARLE 13

TABLE 14

						-										-				
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL PCT EMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS FREQ											PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	H BY T	EKP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-69	90-100			N	NE	Ε	SE	S	SW	¥	NW	VAR	CALM
90/94	.0	.0	.0	1.0	.0	.0	.0	.0	1	1.0	.0	٥.	.0	.5	.5	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.0		2.1	.0	.0	3	3.1	•0	.0	1.0	1.0	9.9	.0	1.0	:8	.0	.0
80/84	.0	.0	.0	.0	4,2	36.5	28.1	6.3	72	75.0	1.6	1.6	14.8	43.2	9.9	1.0	.0	1.6	•0	1.0
75/79	.0	.0	.0	.0	3.1	5.2	11.5	1.0	20	20.8	.0	.c	1.8	10.7	4.9	1.3	٠,٥	1.0	.0	1.0
TOTAL	0	0	0	1		42	38	7	96	100.0										
PCT	٠.	.0	.0	1.0	8.3	43.8	39.6	7.3			1.6	1.8	17.7	55.5	15.4	2.3	1.0	2.6	•0	2.1

TABLE 15

TABLE 16

	HEANS,	EXTREM	ES AND	PERCEN	ITILFS	OF TE	HP (DE	G F) 8	Y HOUR
HDUR (GMT)	XAM	992	95%	50%	51	1*	HIN	MEAN	TOTAL DBS
€0300	85	83	82	80	77	76	76	80.1	91
96609	90	87	86	81	77	76	74	81.3	189
12615	86	85	83	80	77	74	74	80.1	108
18621	85 90	64 66	62 84	79 80	76 77	75 75	70 70	79.3	165 553

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UHIDITY	64 HD01	R
HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
£0300	.0	3.0	3.7	51.9 45.5	37.0 42.4	7.4 3.0	80 79	27 33
12615	.0	•0	14.3	33.3	38.1	14.3	79 80	21 18
TOT	ŏ	ĭ	•	44	39	7	80	99

SCVENBER

PERIUD: (PRIMARY) 1862-1971 (CVER-ALL) 1854-1971

TABLE 17

AREA 0002 CHRISTHAS ISLAND 10.05 104.9E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	77 80	81	85 88	TOT	FÖL	40 804
5	.0	•0	1.1	1	.0	1.1
4	-0	3.2	.0	1 3	. 0	3.2
	.0	4.1	2.1	4	.c	4.3
3 2	.5	6.4		6	.č	6.4
ī	3.2	1.1	.ŏ	4	.0	4.3
i	16.0	21.3	.č	39		
					.0	37.2
-1	8.5	3.2	.0	11	•0	11.7
-2	11.7	5.3	٠.	16	.0	17.0
-3	4.3	2.1	.0	6	.0	6.4
-4	3.2	1.1	.0	4	.0	4.3
-5	2.1	•0	, o	Z	.0	2.1
-7/-8	ī.i			ī		
		•0	.0		.0	1.1
-9/-10	1.1	•0	.0	i	•0	1.1
TOTAL	48		3		0	94
		43	-	94	•	
PCT	51.1	45.7	3.2	100.0		100.0

PERIOD: (OVER-ALL) 1763-1971

(

(

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIPECTION VERSUS SEA HEIGHTS (FT) 11-21 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-98
49-60
61-70
71-86
TPCT 48. 1-3 HGT
<1 1-2
3-4
5-5
7
8-9
10-11
12
13-16
17-19
20-22
27-25
26-32
33-30
41-48
49-60
61-70
71-86
87
TOT PCT 1-3 4-47 

PACE 144

								N	OVFHBER				46.54		Cub. C. T.	AS ISLAND
PERIODI	COVE	t-ALL)	1963-1	971				TABLE :	14 (CONT	)			AREA		05 104	
				PC	T FRES	OF WIND	SPEEC	(KTS)	AND SIRE	TION	VERSUS S	EA HEIG	HTS (FT	)		
			11-21	5 22-33	34-47	48+	PCT		1=3	4-10	11-21	SW 22-33	34-47	48+	PCT	
HGT	1-3	4-10								0			•0	.0	.0	
<1	• 9	0	•0	.0	.0	•0	4.1		•?	.0	.0	.0	.0	.0	ĕ	
1-2	٠.	4.1		•0	•0	.0	4.7		.0	2.0	.5		.ŏ	.0	2.6	
3-4	٥.	3.6	5.1	.0	• 2	.0			.5		.5	:0	.0			
5-6	• 3	.0	1.5	.0	٠.		1.5		.0	žŏ			.0	.ŏ	ŏ	
7	•0	.0	•0	.0	.0	.0	:0		.0	.0	.0	.0	:ŏ		ě	
8-9	•0	. 3	•0	.0			1.5		.0	.0	.0	.0	.0	.ŏ	.ŏ	
10-11	.0	.0	•0	1.5	• 0	•0			.ŏ	ö	.0	:0	.ŏ	.ŏ	.ŏ	
12	.0	.0	•0	•0	.0	•0	0.0		•0	.0	.0	.0	•0		č	
13-16	. :	٠.	•0	.0	.0	.0	.0		:5	ő	.5	:0	.5	: 5	ň	
17-19	٠.	.0	•0	.0			۰		ó	ŏ	.0	:0	.0		.0	
20-22	٠,٥	.0	.0	.0	••	••			.0	ŏ	.0	.0	.0		ě	
23-25	٠.	•0	•0	.0	.0	٠0	•0		۰	ŏ	.0		.0	.ŏ	ě	
26-32		.0	•0	.,	.:	•0	• • • • •		.0	ŏ	.0	.0	•0			
33-40	٠,٥	.0	•0	.0	٠,	.0	.0		•	.0	.0	.0	•0		٥٠	
41-48	٠.	.0	•0	.0	.0	•0	.0		.0	.0	.0	.0			٥٠	
49-60	.0	.0	••							.ŏ			.5			
61-70	.0	•0	•0	.0	•0	٠,٥	.0		.0	.0	.0	.0	ŏ	.0	ĭ	
71-86	.0	٠,	•0	.0	•0	•0	.0		.0	ŏ			.0	.ŏ	٥	
47+	٠.	0	.0	0	.0	•0	15.8		.0	2.0			•0		2.6	
TOT PCT	.0	7.7	٨.6	1.5	.0	•0	13.0		•0	•••	••	•0	•0	••	2.00	
				<b>u</b>								NK.				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22+33	34-47	48+	PCT	PCT
ζ1.			.0		.0	.0			.0	. ?		.0	• 2	.0	.0	
1-2	.c	.0	.0	.0		.0	.0		.0	. 3		.0	. 0	.0	۰.0	
3-4		.5		.ö	.c		.c		· c	iò			.0	.0	.0	
5-0	, č	.5	•0	.5		•0	.0		.0	.0		.0	•0	.0	.0	
7	.c		.c	.0		.0	.c		.0	.0		.0	.0	.0	.0	
8.9		.0	•0		.0	•0	.0		.0	.0		.0	.0	.0	.0	
10-11	.c	.0	.0	.5	.6	•0	.0		.0	.0		.0	.0	.0	•0	
12		.0	.0	.0	.0	.0			Š	.0		.0	.0	.0	.0	
13-16	.0	.0		.0		•0	. č		.0	.0		.0	.0	.0	.0	
17-19	.c	.5	•0	.0	.0	.0	.0	1	. 5	. 0	.0	.0	•0	.0	.0	
20-42	.0	.0	.0	.0	.0	•0			.0	•0		.0	.0	.0	.0	
23-25		.0	•0	.0	.0	.0		)	.0	.0		-0	.0	.0	•0	
26-32		.0	.0	.0	.0	.0			.0	.0		.0	•0	.0	.0	
33-40	. ō		.0	.0	.0	.0		)	.0	.0		.0	•0	.0	.0	
41-48	. 0	.0	.0	.0	.0	•0			.0	.0		.0	•0	.0	.0	
49-00	.5			.0	.c	.c			.0	. 0		.0	•0	.c		
61-7C	,c	.0	.0	.0	.0	•0			.0			.0	•0	٠.		
71-86	. 0	.0	.0	.0		.ċ			, e	.0		.0	•0	•0		
87+	.0	.0	.0		.0	•0			.0	.0		.0	•0	.0		
TOT PCT	.0	.0	.0	.0	.0	.0			•0	.0	0	.0	•0	.0	•0	100.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нчт	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.1	-0	.0	.0	.0	4.1	
1-2	.0	22.4	4.1	.0	.0	.0	26.5	
3-4	.0	20.4	22.4	.0	.0	.0	42.7	
5-6	.0	2.0	0.2	.0	.0	.0	10.2	
7	.0	.0	4.1	.0	.0		4.1	
8-9	.ŏ	.c	0.1	.0	.0	'n	4.1	
10-11	.0	•0	·c	6.1	.0		0.1	
12	.0	.0	.c	.6	.0	.0		
13-10							.0	
17-19		.0		.0			.0	
20-22		.0					.0	
23-25	.ŏ	ě	.0					
26-32		.ő						
33-40		.0	:0				.ŏ	
41-48	.0	.0					:0	
49-60	-0	•0	.0				•0	
c1-70	•0	•0	•0				·Ų	
71-86	•0	•0	•0				•0	
87+	•0	•0	•¢	.0	.0	.0	•0	
TOT PCT	.0	49.0	44.9	6.1	.0	.0	106.0	49

PERIO	D# (DV	ER-ALL	194	9-197	1				TABLE 1	.9											
					PERCENT	FREQ	UENCY	OF WAY	E HEIGH	T (FT	) VS	MAVE PI	RIGO	(SELONI	151						
PERIOD	<b>&lt;</b> 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16 1	7-19	20-22	23-25	26-32	33-40	41-48	49-40	61-70	71-86	87+	TOTAL	MEAN HGT
(SEC)	1.2	6.2	12.3	8.6		.0	.0	•0	•0	.0	:0	.0	.0		•0	.0	.0	.0	.0	23 36	3
6-7 8-9	.0	•.6	16.0	7.4 3.7		1.2	2.5	1.2	•0	:8	,8	:8	:0	• • •	.0	.0	:6	.0	.6	14	6
10-11 12-13	.0	.0	2.5	1.2		.0	.0	3.7	.c	.0	.0	.0	.0		:0	.°	.0	.0	.0	•	,
>15	.0	.0	.0	.0	.0	.0	•0	.0	• 0	.0	0	.0	.0	• • 0	.0	.0	.0	.0	.0	0	
INDET TOTAL	.0	12	30	1.2		.0	.0	• • •	•0	٠,	.0	.0	.0	Ó	.0	.0	.0	O			•
PCT	1.2	14.8	37.0	22.2	9.7	4.2	3.7	4.9	.0	.0	.0	•0	.0	• • •	.0	.0	.0	.0	• 0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1861-1971 (OVER-ALL) 1854-1971

£

€

TABLE 1

AREA 0002 CHRISTHAS ISLAND 10.25 105.26

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
WND CIR	RAIN	RAIN Shwr	DR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	FOG HO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG OUST BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	.0	•0	90.5
NE	.0	21.1	.0	.0	.0	.0	.0	71.1	•0	٠.	.0	.0	.0	.0	78.9
E	.0	37.5	.0	.0	.0	.0	.0	37.5	•0	.c	.0	.0	•0	.0	62.5
ŠE	.0	3.0	.7	.0		.0	·c	8.7	2.9	8.7	•0	.0	•0	• 0	79.7
Š	.0	.0	2.6	.0	.č	.0	.0	2.6	•0	3.5	.0	.0	•0	•0	93.9
Šb	9.8	. 0	. 0	.0	. 0	.0	.0	9.6	.0	.0	.0	.0	.0	.0	90.2
W.	.0	9.4	.0	.0	.0		.0	9.4	.0	.0	•0	.0	•0		90.6
N _P		3.4	.0		.0	.0	.c	3.4	13.8	.ō	•0	.0	•0		82.8
VAR	.0	.0	.0	.0	.0		.c	.0	•0	.0	.0	.0	.0		.0
CALH	50.0	.0	.0	.0	.0	.0	٥.	50.0	•0	.ö	•0	.0	•0		50.0
TOT PLT	1.8	6.3	.9	.0	.0	.0	•0	8.9	2.7	3.6	.0	.0	•0	• ?	84.8

TABLE 2

					ν,	RCENT	PREGUE	NCT U- NE	AIMER DECUR	RENCE	EA 460	R			
			•	RECIPI	TATIO	Y TYPE					OTHER	MEATHER	PHENOI	MENA	
HEUR (GPT)	RAIN	RAIN Shur	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HĀŢĻ	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WO PCPH PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	2.5 .0 4.2	4.0 7.3 8.0 4.2	.0	.0	.0 .0 .0	.0 .0 .0	.0 .0	4.0 10.0 6.0 12.5	5.0 .0 4.2	.0 4.0 12.5	.0 .0 .0	.0	•0	•0	96.0 85.0 88.0 70.8
TOT BCT	1.8	A . 1	. 2	-0	.0	.0	-0	6.2	2.6	1.5	.0	.0	.0	•0	85.1

TABLE 3

PERCENTAGE	FREQUENCY	OF	WIND	DIRECTION	BY	SPEED	AND	RY	HOUR

					-		-		-	-		-					
NNC DIR	0-3			55 <b>-3</b> 3	27\$) 34+47	48+	TOTAL CBS	PCT FRFQ	MEAN SPD	co	03	06	НВUR 09	(GHT) 12	15	18	21
N	1.5	1.8	1.1			.0		4.4	6.5	3.5	.0		1.9	3.4	•0		5.1
NE	1.2	2.8	. 6	.0	.0	.0		4.6	6.4	2.8	•0	7.5	3.0	3.6	•0	3.7	3.7
£	. 9	4.3	1.7	.2	.0	.0		7.2	9.0	7.6	50.0	4.7	7.5	5.0	100.0	9.2	6.8
ŠE	1.2	13.2				. 5		22.0	9.6	22.2	.0		23.6	22.2	•0		18.4
Ş.	2.1	12.4				.0		27.1	10.t	33.9	50.0		30.2	27.8	•0		23.5
ŠW	2.7	6.7						17.6	9.4	15.2	•0		19.8	19.7	•0		
ű.	2.1	4.7				.5		11.0	9.7	8.2	.0		10.4	13.8	•0		
Ÿa		2.4				.5		3.1	7.9	4.1	.0		2.8	1.9			
VAR	.0	.0	-			.5			.0	.5			.0	.0	.0		
CALM	2.3	• •	•	• •	• -	• •		2.3	.0	2.5	.0		.0	2.5	.0		
TOT CBS	70	231	168	9	٥	0	478	•••	9.2	79	• • •	127	53	80	ĭ	68	68
TOT PCT	14.6	48.3				.ŏ		100.0			100.0	100-0			100.0		100.0

74	A	LE	34	ı

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TUTAL Das	PCT FREQ	HEAN SPD	00 03	HOUR 06 09	(GMT) 12 15	18 21
N NE F	2.6 2.6 2.2	1.6	.0	•0	.0		4.4 4.6 7.2	6.5 6.4 9.0	3.4 2.8 8.6	4.3 6.4 5.6	3.4 3.7 6.2	5.7 3.7 9.0
46	4.3 7.0	14.1	1.5		.0		22.0	9.6 10.6	21.6	24.2	21.9	19.5
Sw	4.2	9.3 4.8	1.9	.0	.0		17.6 11.0	9.4	14.8	18.3	19.4	17.3
VAR	1.3	2.5	:0	:0	:0		3.8	7.9	*.0 .0 2.5	4.3 .0 1.7	1.9 .0 2.5	4.2 .0 2.9
CALM TOT DBS TOT PCT	2.3 167 34.9	259 54.2	50 10•5	, 2 , 4	.0	470	2.3	9.2	81	180	#1	136

n	e	•	r	M	E	

(PRIMARY) (OVER-ALL)	1861-1971 1854-1971

TARLE 4

AREA 0002 CHRISTHAS ISLAND 10.25 105.2E

PERCENTAGE	FREQUENCY	ΩF	WIND	SPEED	A١	MOUR	ACHT1

40:16	CALM	1-3	4-10			(KNCTS) 34-47	48+	"EAN	PCT FREQ	TOTA
00603 00609 12615 18621 TOT PCT	2.5 1.7 2.5 2.9 11 2.3	10.6 11.1 13.6 11.0 59	34.5 49.4 42.7 53.7 231 48.3	*0.7 34.4 37.0 31.6 168 35.1	1.2 3.3 1.2 .7 •	.0	.0.0	9.2	100.0 100.0 100.0	81 180 81 136 478

TARLE 5

. . . . .

							TABLE 6											
	PCT FR	EC OF	TOTAL By Win	CLOUD A	AMOUNT TICN	(EIGHTHS) MEAN			PERCEN	TAGE	FREQUE	CY OF	CE1LIN	G HE10	HTS (	FT,NH :	>4/8} ON	
WND DIR	0-2	3-4	5-7	082CD	COS	COVER	000 149	150 299	300 599	606 999	1000	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	8000+	NH 45/8	TOTAL COS
N HE E S S S W WAR CALM TOT DAS TOT PCT	3.0 2.1 2.6 6.3 1.2 1.2 1.8 .0	3.9 .6 .0 5.5 4.2 1.8 .6 2.7 .0 17 20.2	1.2 1.2 2.4 12.5 12.5 5.7 3.6 2.7 .0 1.2 36 42.9	.0 3.6 .9 3.6 4.8 1.8 1.8 1.7 1.7	84 100.0	3.7 7.2 4.7 9.1 5.0 9.6 4.0 0.5 5.0	.0 .0 .3 .9 .0 .0 .0		1.2	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.2 .0 .0 3.9 2.1 .3 1.8 1.5	.0 2.4 .7 .0 2.1 1.5 .0	.00	.0 .0 .3 .9 .0 .0	.0 .0 .0 1.2 .0 .0 .0	.00.00	6.8 1.8 19.9 19.9 6.3 4.5 5.7 .0	

TABLE 7

## CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM 34/8; AND VSBY (NM)

				VSBY (N)	1)			
CEILING (FEET)	■ JR	• CR	• JR	- OR	• DR	• JR	• 7R	• OR
(14661)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.2	1.2	1.2	1.2	1.2	1.2		
■ OR >5000	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
<ul> <li>□ R &gt;3500</li> </ul>	3.6	3.6	3.6	3.6	3.6		2.4	2.4
■ NR >2000	1.3	9.5	9.5	1.5	9.5	3.6	3.6	3.6
■ DR >1000	15.5	19.0	20.2	20.2		9,5	9.5	9.5
■ DR >600	19.0	22.6			50.5	20.2	20.2	20.2
• DR >300			23.4	23.8	23.8	23.8	23.8	23.8
- DR >150	20.2	25.0	27.4	27.4	27.4	27.4	27.4	27.4
• DR > 0	20.2	25.0	27.4	27.4	27.4	27.4	27.4	27.4
	20.2	26.2	24.6	24.4	28.6	28.6	28.6	28.6
TOTAL	17	22	24	24	24	2.	24	24

TOTAL NUMBER OF DESE 84

PCT FREQ NH <5/81 71.4

### TABLE 7A

## PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD TOTAL 985 6.7 22.5 19.1 15.7 9.0 4.5 9.0 4.5 7.9 1.1 89

D	•	۰	H	•	

PERIODI	(DPIMARY) 1 (UVER-ALL) 1	#61-1971 854-1971						TA	ofi w				ARE	A OOO2 CHRISIMAS ISLAND
			P	PROFIT	EREQ PREC	OF WIN IPITAT	D DIREC	TION Y	ING V	JRRENCI LUES (	F OR N DF VIS	0N-0CC	URRENÇ Y	E OF
	VSBY (NA)		N	HF	ξ	38	s	Sa	4	42	VAR	CALM	PCT	TOTAL
		PCP	.0	.0	.0	.0	.0	• 0	.0	.0	.0	• 5	.0	
	<1/2	NO PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
	****	TOT %	.0	0,	.0	.0	•0	•0	.0	.0	.0	•0	.0	
		PCP	•0	.0	.0	.0	•0	•0	.0	•0	.0	• 0	.0	
	1/2<1	NO PCP	.0	•0	.0	• 0	•0	• 0	•0	•0	•0	•0	.0	
		TOT \$	.0	.0	.0	.0	•0	•0	• 0	.0	.0	•0	.0	
		PCP	.5	.9	.4	. 3	•0	• •	.0	•0	.0	•0	.9	
	1<2	ND PCP	.0	.0	.0	.0	•0	•0	•0	•0	.0	• 0	.0	
		TOT \$	.c	•0	.4	.4	•0	•0	••	•0	•0	• 0	.•	
		PCP	.0	.0	.0	.0	•0	.•	.0	•0	.0	.0	. 9	
	2<5	NO PCP	.0	.0	.0	.9	.9	.0	.0	.0	.c	.0	1.0	
		TOT \$	.0	.0	•0	.9	.9	. 9	.0	.0	.0	.0	2.7	
		PCP	.0	. 9	.9	5.0	. • 7	•0		. 2	.0	.9		
	5<10	NO PCP	2.7	.0	.9	7.6	2.7	.4	1.0	•0	.0	•0	16.1	
		TOT \$	2.7	.9	1.8	9.6	3.3	• ÷	2.5	•2	•0	.9	22.3	
		PCP	.0	.0	.7	• 2	•0	•0	• 5	.0	.0	.0	.9	
	10+	NO PCP	6.7	3.3	2.5	19.6	21.4	7.#	4.7	6.3	•0	. 9	73.2	
		TOT \$	A.7	3.3	3.1	19.9	21.4	7.8	4.7	6.3	•0	. 7	74.1	
		TOT DBS												112
		TOT PC*	9.4	4.2	5.4	30.8	25.7	9.2	7.1	4.5	•0	1.8	100.0	

TABLE 4

VSBY	SPD	N	NE	E	SE	S	SW	×	MM	VAR	CALM	PCT	TOTAL
(MM)	K75 0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	DE2
<1/2	4-10	:0	:0	:0	.0	:0			ě	.ö	.0	ö	
41/6	11-21	.5	:5	:5	.,	.0	.ŏ		.0	:6		ö	
	22+	.ŏ	:0		.0	ě	.č		.ŏ	:0		ö	
	TOT %	.0	:3	.0	.0	.0		.,	'n	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.õ	·ŏ	.0	.0	.ö	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		۰.	
	TOT #	.0	•0	•0	.0	.0	.0	.0	•0	.0	.0	.0	
	0-3	.0	.0	•0	•0	•0	.0	.0	.0	.0	.0	.0	
1<5	4-10	۰.	•0	.4	.4	.0	٠,	•0	.0	•0			
	11-21	.0	•0	•0	•0	•0	.0	.0	.0	.0		۰,	
	22+	.0	•0	•0	•0	•0	.0	.0	.0	ď.	_	.0	
	TOT \$	.0	.0	• •	.4	•0	.0	.0	.0	.0	•0		
	0-3	.0	•0	•0		.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	.0	.0		. 4	•0	.0	.0		1.6	
	11-21	٠.	.0	•0	• 2	.0	.0	•0	.0	.0		.0	
	22+	•0	٠0	•0	•0	•0	٠0	.0	.0	.0	_	3.0	
	# 701	.0	•0	.0				•0	.0	۰.	•0	2.5	
	0-3	.0	.0	.0	1.2	.4	.0	. 8	.0	.0	. 8	3.3	
5<10	4-10	2.5		1.6			.0		.0	.0		13,1	
	11-21	.0	•0	•0	1.0	1.8	. 4	• •	.2	.0		4.1	
	22+	.0	.0	•0	.0	.0	٠,	.0	.0	.0		0	
	TOT %	2.5	. 8	1.6		3.1	.4	2.3	.2	.0		20.5	
	0-3	2.0	.4			3.9	2.0	.6	.0	.0	.8	10.7	
10+	4-10	1.4	2.5	1.4	12.7	15.4	3.5	2.3	4.3	.0		43.4	
	11-21	2.7	• 2		7.6	4.5	1.6	1.4	1-4	٠,٥		22.1	
	22+	.0	.0	0	0		0	0	0	.0		0	
	TOT \$	4.1	3.1	2.9	22.3	23.8	7.2	4.3	5.7	.0	.3	76,2	
	OT DES												12:
•	AT BAT		• •		93 4	27 7		4.4		^		100 0	

(

•

	e e		

PERIOD:	(PRIMARY)	1861-1971
	(CVER-ALL)	1854-1971

TABLE 10

AREA 0002 CHRISTMAS ISLAND 10.25 105.2E

## PERCENT FREQUENCY OF CRICING HEIGHTS (FEET, NH >6/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	150 249	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	6000+	TOTAL	NH <5/8 ANY HGT	
20203	.0	.0	4.5	9.1	13.6	13.6	.0	.0	.0	•0	40.9	59.1	22
90360	.0	.0	3.1	.0	9.4	6.3	3.1	.0	3.1	•0	25.0	75.0	32
12615	.0	.0	.0	4.8	14.3	•0	.0	.0	.0	•0	19.0	81.0	21
18621	7.1	.0	7.1	•0	.0	.0	.0	7.1	.0	•0	21.4	78.6	14
TOT	, 1	2	3	. 3	, , 9	. 5	, į	, 1	. !	0	24	- 65	89

TABLE 11

T38LE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HOUR		CUMULAT	IVE PCT CEILIN	FREQ G HGT	OF RAN	IGES OF NH >4/8	VSBY (NM) 1/8Y HOUR	AND/OR
HOLR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL COS	HOUR (GHT)	<150 <50YD	<600	<1000 <b>&lt;5</b>	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
E0300	.0	.0	•0	3.7	11.1	85.2	27	£0500	•0	4.8	14.3	28.6	57.1	21
06209	•0	.0	2.3	2.3	15.9	79.5	44	06609	•0	3.4	4.9	24.1	49.0	29
17615	.0	.0	.0	4.0	20.0	76.0	25	12615	•0	•0	10.0	10.0	80.0	20
18621	.0	.0	.c	•0	39.3	60.7	20	18621	7.1	14.3	14.3	7.1	78.6	14
TOT PCT	.0	.0		2.4	26 21.0	94 75.8	124	TOT PCT	1 . 2	4.3	16.7	16	59 70.2	84

TARLE 13

				• • •	B~LF 1.	•				
	PERC	ENT FR	ESUENC	Y OF R	ELATIV	E HUNI	DETY 8'	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PET
85/89	.0	.0	.0	•0	3.1	4.2	.0	.0	7	7.3
80/84	.0	.0	.0	.0	6.3	33.3	31.3	0.3	76	79.2
75/79	٠.	.0	.0	.0	.0	5.2	4.2	4.2	13	13.5
TOTAL	0	0	Ó	ō	9	41	34	12		100.0
PCT	.0	.0	•0	•0	9.4	42.7	35.4	12.5	• •	

TABLE 14

	PERC	ENT PA	EQUENC	Y 0# W	140 011	RECTIO	N BY T	EMP	
N	NE	E	Sé	S	SW		NW	VAR	CALH
1.0 9.1 .0	4:7 3:0	5.5 0.0	2.9 22.7 3.6	2.3 20.1 4.7	6.3 2.3	5.7 • •	1.0 4.2 1.0	.0 .0	1.0 1.0
								_	

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILFS	OF TE	1P (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	998	95%	50%	5%	:*	HIN	MEAN	TOTAL DBS
10300		83	83	61	77	77	77	80.6	#1
90360	90	89	87	83	78	77	76	82.7	175
12615	85	84	84	81	78	77	77	81.1	80
18621	84 90	*2	82 84	80	77	76	75 75	80.0	137

TABLE 16
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GHT)	0+29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00603	.0	.0	5.0	40.0	45.0	10.0	81	20
12613	.0	.0	25.0	40.6	25.0 34.8	21.7	77 83	32 23
18621	.0	• 0	•0	43.5	47.8	8.7	92	23
TOT	0	2	•	41	36	12	80	98

DECEMBER

PERIOD: (PRIMARY) 1861-1971 (CVER-ALL) 1854-1971

TABLE 17

AREA 0002 CHRISTHAS ISLAND 10.25 105.2E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE CCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	707	FOG	₩0 F0G
5	.0	•0	4.4	1.1	5 2	.0	5.6
4	.0	1.1	1.1	•0	2	.0	2.2
3	.0	1.1	.0	.0	1	.0	1.1
2	.0	5.6	.c	,0	1 5	.0	5.6
ī	1.1	11.1	.0	.0	11	.0	12.2
ö	5.6		.0	.0	iė	.0	20.0
-ĭ	7.8		.0	.0	20		22.2
	7.8	7.8	1.1	.0	15	.0	16.7
-2 -3	2.2		7.5	ő	• 2	.5	2.2
-4	4.4	3.3		ŏ	ž	.ŏ	7.8
-5		1.1		, ñ	Ś	.č	3.3
	2.2						
-6	1.1	.0	٠.0	•0	1	.0	1.1
TOTAL	29		6			0	90
	-	54		1	90		
PCT	32.2		6.7	1.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1971

 $\mathbf{c} = \mathbf{c}$ 

TABLE 18

								***************************************						
				PC	T FREQ D	F WIND	SPEED	(KTS) AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.9	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	•0
1-2	4.3	.ŏ	ò		. 5	.c	4.3	1.4	2.9	.0	.0	.0	.ŏ	4.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	5.7	.0	.0	.0	.0	5.7
5-6	.0	2.9	2.9	•0	.0	٠,	5.7	.0	٠.	.0	.0	•0	•0	•0
7	.0	.0	.0	.0	.0	٠.	.0	•0	:0	.0	•0	•0	.0	•0
8-9	.0	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	.0	.0	•0
10-11	.0	٠.	.0	.0	.0	.0	.0	•0	•0	.0	.0	•0	.0	•0
12	.0	.0	•0	.0	.c	.0	.0	•0	.0	•0	.0	•0	.0	•0
13-14	.0	.0	•0	.0	• 0	.0	.0	• 5	:0	.0	•0	•0	.0	•0
17-19	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	.0	•0	•0	•0
20-22	.0	.0	•0	.0	.0	٠,	.0	•0	.0	•0	•0	•0	.0	•0
23-25	.0	.0	•0	.0	•0	.0	•0	•0	•0	•0	.0	•0	.0	•0
26-32	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	•0
33-40	•0	.0	•0	.0	.0	.0	•0	•0	.0	•0	.0	•0	•0	•0
41-48	•0	.0	•0	•0	.0	.0	•0	•n •0	•0	.0		.0	.0	.0
49-60	.0	.0	•0	•0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0
61-70 71-86	• ?	.0	•0	.0	.0	.0	.0	ő	ĕ	.0	:0	.0	.0	•0
71-80 87+	.0	.0	•0	.0	.0	:0	.0	ŏ	.ŏ		.0	.0	.0	•0
TOT PCT	7.1	2.9	2.9	:0	.0	:0	12.9	1,4	8.6	.5	.0	ě	.ŏ	10.0
101 -01		4.7	2.07	••	••	••	,	•••	•••	••	•••	••	•••	••••
HGT	1-3	4-10	11-21	£ 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	0	.0	•0	.0	9.0	.0	.0	.0	2.9	.0	.0	.0	.0	2.9
1-2	.0	.0	.0	.0	.0		.0	ě	16.4	2.9	.0	.0	.ö	19.3
3-4	.ŏ.	.ŏ	2.1		ŏ		2.1	ŏ	2.9	9,3	:ŏ	ŏ	.0	12.1
5-6	.0	.0			.0		0	ŏ	.0		.õ	•0	ŏ	.0
7	.õ	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0
1-7	.0	.0	.0	•0	.0	.ò	•0	,n	.0	,0	.0	•0	.0	•0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	•0
13-16	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	•0	•0
17-19	.c	.0	.0	.0	٠,	.0	•0	•0	•0	.0	.0	•0	•0	•0
20-22	.0	.0	•0	•0	.0	.0	•0	•0	•0	•C	.0	.0	. 3	.0
23-25	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0	•0
26-32	.c	.0	.0	.0	.0	.0	•0	•n	.0	۰.	.0	•0	.0	•0
33-40	.0	.0	•0	٠,	.0	.0	•0	• 9	•0	•0	.0	•0	•0	•0
41-48	.0	.0	.0	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0	•0
49-60	.0	.0	•0	•0	.0	•0	•0	•0	•0	.0	.0	•0	•0	.0
61-70	•0	•0	•0	.0	•9	.0	•0	•0	.0	.0	.0	•0	.0	•0
71-86	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0	•0
. 87+	.0	٠.	.0	•0	۰.	.0	.0	•0	.0	0	•0	•0	•0	0
TOT PCT	.0	.0	2.1	.0	.0	•0	2.1	•0	22,1	12.1	•0	•0	•0	34.3

								DECEMBER	t						
PERIODI	CDVE	R-ALL)	1963-1	1971				TABLE 18 (CON	IT)			AREA		CHRISTH 28 103	.2E
				PC	T FRED	OF WIND	SPEED	IKTS) AND DIR	ECTION Y	ERSUS S	SEA HEIG	HTS (FT	1		
нст	1-3	4-1G	11-21	S 22-33	34-47	48+	PCT	1-7	4-1C	11-21	Sw 22-33	34-47	48+		
<b>&lt;</b> 1	0	.0	.0	.0	.0	7.0		•••		.0	.0	.0	0	PLT •0	
1+2	.0	15.0	2.9	.0	.0		17.9	2.9		.0	.0	•0		2.9	
3-4	. š			.ŏ						.0	.0	.0	.ŏ	6.4	
5-6	.0	.ŏ	.0	.0	.5	.ŏ	.0	• 6			.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	•0		·c		.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0			
10-11	.0	.0	.0	.0	.0	.0	.0	• 0		.0	•0	•0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	• (	۰. ۱	.0	.0	•0	.0	.0	
13- 6	.c	.c	• C	.0	.0	.0	.0	• 0	0	.0	•0	.0	.0	.0	
17-19	.c	.0	.0	.0	.0	.0	•0			•0	.0	• 0	.0	.0	
20-22	.0	.0	•0	.0	.0	.0	.0	•0		.0	-0	•0	.0	•0	
23-25	.0	.0	•0	.0	.0	.0	.0			.0	.0	•0	.0	.0	
26-32	٠.	.0	•0	.0	.0	.0	.0			.5	.0	.0	.0	.0	
33-40	.0	.0	•0	.0	.0	.0	•0		9.	.c	•0	•c	.0	.0	
41-48	.0	٠.	•0	•0	•0	•0	•0			.0	•0	•0	.0	•0	
49-60	.0	٠.	.0	.0	.0	•0	•0			•0	•0	•0	.0	•0	
61-70 71-86	.0	.0	•0	•0	.0	•0	.0			.0	•0	•0	.0	•0	
87+	.0	.0	•0	.0	.0	.0	•0	•9		.0	.0	•0	.0	•0	
TOT PCT	.0	15.0	2.9	.0	.0	٠,	17.9	2.9		.0	•0	•0	•0	• 0	
101 PC1	••	13.0	2.4	.0	.0	.0	17.7	2,7	0.4	•0	•0	•0	.0	9.3	
				w							NW				13"AL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PST	1-3	4-10	11-21	22-33	34-47	48+	PCT	∠CT
<1	.0	.0	•0	•0	.0	٠٥.	•0	•0		.0	• 0	•0	.0	•0	
1-2	•0	.0	•0	.0	.0	.0	.0			.0	-0	.0	.0	.0	
3-4	.0	5.0	•0	•0	.0	•0	5.0			•0	•0	•0	.0	2.9	
5+6	.0	٠,٥	•0	.0	.0	.0	.0	•9		.0	•0	•0	•0	•0	
7	•0	.0	•0	.0	.0	.0	.0			•0	•0	.0	.0	•0	
8-9 10-11	.0	.0	.0	•0	.0	.0	.0			•0	•0	.0	•0	.0	
12	.0	.0	.0	.0	.0	• • •	•0			•0	.0	•0	.0	•0	
13-16	.ŏ	.0	.0	.0	.0	.0	.0			•¢	• • • •	•0	.0	••	
17-19	.0	.0	.0	.0	.0	.0	•0	• 6		.0	.0	•0	.0	•0	
20-22	č	Ö	.0	.0	.0	.5	.0			.5		.5	.5		
23-25	٠٥	.0	.0			.0	.0				.0	.0	.0	•0	
26-32	•		, c	.0		::	.5				.0	.0	.0		
33-40	:c		·ŏ			:0					.0	ŏ		.0	
41-48	ŏ		ŏ		.5	.0	.0	:3		.0	.0	.0	.5	.0	
49-60	.5		ñ	.5						.ŏ	.0	ě	.ö	.0	
61-70	.0	.0	.0	.0	.,	.0	.0			.0	.5	.0		.0	
71-86	.0	.0	.0	.0	. 0	.0	.0				.0	·ŏ	.ŏ		
87+	.0	.0	.0	. 0	.0	.0	.0					.0	.5	.0	
TOT PCT	.0	5.0	.0	.0	.0	.0	5.0	.0		.0	.0	.0	.0	2.9	94.3
											-				

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.6	2.9	.0	.0	.0	.0	11.4	OBS
1-2	8.0	34.3	5.7	.0	. 5		48.6	
3-4	.0	22.9	11.4		.0	.0	34.3	
5-6	.0	2.9	2.9		.0	.0	5.7	
7	.0	á	ć	.0	.0	.ŏ	ö	
1-9	.0	.0		.0	.0	.0	ě	
10-11	.5	.0		ŏ		.0	.ö	
12								
	.0	.0	.0	.0	.0	٠.	.0	
13-16	.0	•0	.0	•0	•0	.0	•0	
17-19	.0	•0	•0	.0	•0	٠0	.0	
20~22	.0	• C	•C	.0	-0	.0	.0	
23-25	.0	•0	.0	.0	.0	.0	.0	
26-32	.0	•0	•C	.0	.0		.0	
33-40	•0	.0	.0	•0	•0	.0	.0	
41-48	•0	.0	•C	.0	.0	.0	.0	
49-60	.0	.õ	.0	.0	.0	.0	ě	
61-70	•0	.0	• 0	.0	.0	.0	,0	
71-86	.0	•0	.,		.0	.,	.0	
87+	.0	.0		.0	.0	. 6	ŏ	
•1•	.0	••	••	•0	••	••	.0	•
TET PET	17.1	62.9	20.0	.0	.0	.0	100.0	35

PERIOD: (DVER-ALL) 1949-1971 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERSOD (SECONDS) 8-9 10-11 .0 .0 1.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 0 1.4 .0 87+ TOTAL
.0 26
.0 35
.0 7
.0 0
.0 1
.0 0
.0 2
.0 7
.0 1
.0 1
.0 100.0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 5-6 1.4 18.3 4.2 .0 .0 .0 .0 <1 .0 .0 .0 .0 .0 .0 .0 .2.8 .2 .2.8 1-2 21.1 1.4 .0 .0 .0 .0 .0 3-4 14.1 22.5 2.8 .0 .0 .0 .0 .28 39.4 .0 4.2 2.8 .0 1.4 .0 .0 1.4 .0 .0 .0 .0

ANNUAL

PERIODI (PRIMARY) 1960-1972 (OVER-ALL) 1854-1972

(

Í

TABLE 1

AREA 0002 CHRISTHAS ISLAND 10.15 105.28

#### PERCENT PREQUENCY OF MEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE					TYPE CTHER WEATHER PHENOMENA										
WNC DIR	RATN	PAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPM PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SHOW	NO SIG WEA
N	3.2	1.1	.0	.0	.0		٠.0	4.4	13.4	1.0	.0	.0	.0	•0	64.5
NE	7.1	4.0	2.6	.0	.0	.0	•0	13.6	3,4	.0	.0	.0	•0	•0	74.6
E	3.2	5.6	.6	٠.	•0	.0	.0	9.4	3.0	.7	.3	•0	•0	•0	86.7
SE	2.2	2.3	. 5	.0	.0	0	.0	5.0	3.3	2.2	1.3	.0	.0	.0	88.4
S	1.5	4.0	.7	.0	.0	.0	.0	6.3	4.3	1.4	.0	.0	.0	•0	88.1
Šw	4.3	4.2	.0	. Ú	٠ů	.0	.0	4.5	1.8	.2	.0	.0	.0	.0	72.9
W.	.0	2.1	.0	.0	.0	0	.0	2.1	5.3	.0	.0	.0	.0	.0	50.9
No	4.1	3.9	4.2	.0	.0		.с	8.9	5.9		.0	.0	•0		51.8
VAP	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0		.0
CALM	6.3	1.7	.0	.0	•0		.0	10.0	•0	.0	•0	.0	•0		56.7
TOT PCT	2.1	2.3	.7	.0	.0	.0	.c	5.0	3.7	1.3	.5	•0	•0	•0	89.7

TAPLE 2

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	84	HOUR	

			Þ	RECIPI	TATIC	TYPE					GTHER	WEATHER	PHENDI	HENA		
HCUR (GMT)	RAIN	RAIN Shuk	CRZL	FRZG PCPN	SNCX	GTHER FRZN PCPN	HAIL	PCPH AT OB TIME	PCPH PAST Hour	THOR LTNG	FOG NO PCPN	FUG VO PCPN PAST HR		SP' BLWG BLWG	JUST	NO SIG Wea
00603 06609 12615 18621	2.4 2.3 1.7 2.2	1.7 2.4 2.1 2.7	.7 .6 .2 1.2	.0	.0	.0	.0 .0	4.8 5.3 4.0 5.7	4.2 3.2 3.5 3.7	.2 1.7 4.6	.5 .7 .5	.0 .0 .0	•0		.0	90.3 90.6 90.5 86.3
TOT OCT TOT COS:	2.1	2.2	.6	•0	•0	.0	.c	4.9	3.7	1.4	.5	•0	•0		•0	89,7

TARLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOLA

		WIN	D SPE	ED (KN	DT\$)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FRFQ	SPD	00	03	06	09	12	15	18	21
N NE E	.6 .5	1.2 2.4 8.0	1.7 20.1	.1 .2 4.9	.2	.0 .0		2.5 4.8 34.1	8.7 9.6 13.0	2.1 4.1 33.9	.0 26.2		2.1 3.3 35.4	2.3 3.7 33.6	.0 4.1 31.8	2.6 4.3 32.9	1.9 4.9 36.1
SF S	.9	8.7 5.0	16.5	3.3	•2	•0		29.6	13.2	31.8 10.6	25.5	28.5 7.9	27.3 11.6	30.7 10.4	31.6	30.6	28.6
Sh H	1.1	3.4	1.6	.3	•0	•		6.1 5.4	7.2	6.0 5.1	8.0 2.1	5.8 5.5	5.0	5.5	2.5	5.4	7.0 5.4
Ne Var	.7	2.5	1.0	.0	.1	.0		5.5	9.2	•••	1.4	6.6	5.7	4.9	.8	6.0	4.7
CALM TOT CBS	2.4						0186	2.4	12.6	1.9	22	2.8 2246	903	2.5	.0 35	2.5 1210	3.1 1063
TOT PCT	8.5	33.7	47.6	9.6	.6	•1		100.0		100.0	75.0	100.0	100.0	100.0	43.3	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	4EAN SPD	00	HOU! 06 09	(GHT) 12 15	18 21
N	1.3	.9	.3	•	•		2.5	8.7	2.1	3.0	2.3	2.3
NE	1.4	2.4	.,	•	.0		4.8	7.6	4.0	5.8	3.7	4.6
ŧ	3.3	14.7	14.9	1.1	•		34.1	13.0	33.9	34.1	33.5	34.4
SE	3.5	14.4	10.9	.7			29.6	13.2	31.8	28.1	31.0	29.6
\$	2.7	5.5	1.5		.0		9.7	11.3	10.6	8.9	10.4	9.4
Św	2.8	2.9	- 4	.0			6.1	7.2	0.1	5.9	6.5	8.1
w	1.7	2.7		i	.1		5.4	9.0	5,1	5.4	5.5	5.4
		2.7						9.2	4,4	6.3	4.6	
NW	1.5		• •	•1	•1		5.5					5.4
VAR	.0	.0	•0	•0	.0		.0	.0	.0	.0	.0	•0
CALM	2.4						2.4	.0	1.8	2.4	2.4	2.8
TOT DAS						8384		12.6	1284	3149	1480	2273
TOT PCT	20.9	46.1	30.5	2.2	.2		100.0			100.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1860-1972 (OVER-ALL) 1854-1972

TABLE 4

AREA 0002 CHRISTMAS ISLAND 10.15 105.2E

PERCENTAGE FREQUENCY OF WIID SPEED BY HOUR (GHT)

				WIND	SPEEC (	KNOTS			PCY	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	WEAN	FREG	JBS
00603	1.8	5.6	36.1	47.1	8.8	.6	.0	12 5	100.0	1284
90300	2.4	6.8	32.8	47.4	9.8		. 1	12.6	100.0	3149
12615	2.4	6.1	34.7	47.9	8.3	.4	• ,	12.4	100.0	1480
18621 TOT	2.0	5.4	32.9	47.8	10.5	.4	.1	12.6	100.0	2273 8186
D/T	<b>2</b> 4	A . 1	33.7	A7.A	0.4		- 1		100.0	

TARLE 5

TABLE 6

				DIREC		EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL CBS	CLOUD COVER	000 149	15n 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.5	.5	1.1	.4		+.7	•0	.0	.0	.2	.3	.2	.1	•0	•0	.0	1.6	
NE	1.0	. 9	. 9	.7		4.4	•0	• 0	. 1	. 2	. 3	.3	.1	.0	•0	. 0	2.5	
E	7.8	8.0	8.6	1.9		4.1	• 1	.0	. 2	. 9	2.5	1.3	. 6	• 1	•0	. 0	20.9	
SE	8.7	12.3	16.3	3.*		4.5	•	• 1	.4	2.2	4.7	3.1	. 5	• 1	•1	. 1	29.8	
Š	2.5	2.5	3.6	1.0		4.6	• 1	.0	. 2	. 4	.7	.6	. 2	• 1	•0		7.4	
Š¥	. 8	1.3	2.5	.5		3.4	•0	•0	. 1	. 4	. 5	.3	.0	.0	•0		3.8	
ū	. 5	.7	2.5	1.0		2.5	•0	. ^	.0		. 0	,4	.0	.0	•0		3.1	
ÑW	. 5	1.1	2.0	1.5		3.7	•0	٠.	. 5	. 5	. 9	. 8		.2	.0	.0	2.8	
VAR	.0	.0	.0	•0		•0	•0	•0	.0	.0	.0	•0	.0	•0	•0	.0	•0	
CALM TOT OBS	,7	.4	•6	.5	1281	3.0	•0	•0	i	•1	.2	•0	ŏ	.0	•0	້ຳ	1.8	1261
TOT PCT	22.9	27.6	38.2	11.3	100.0		•2	•1	1.0	5.2	10.7	7.0	1.5	.4	• 1		73.7	100.0

TARLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	● FIR	• OR	- CR	- CR	■ DR	- 98	- OR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.3	.3	.3	.3	.3	.3	.3	.3
■ DR >5000	.7	.7	.7	.7	.7	.7	.7	.7
<ul> <li>■ DR &gt;3570</li> </ul>	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
• DR >2000	6.9	8.7	9.1	9.1	9.1	9.1	9.1	9.1
■ DR >1000	14.4	18.5	19.7	19.7	19.7	19.7	19.7	19.7
■ DR >600	17.8	23.8	24.8	24.8	24.9	24.9	24.9	24.9
• DR >300	18.2	24.5	25.7	25.7	25.8	25.8	25.8	25.8
■ DR >150	18.2	24.6	25.8	25.8	25.8	25.8	25.9	25.9
• DR > 0	18.2	24.8	25,9	25.9	20.0	26.0	26.1	26.1

TOTAL NUMBER OF OBS: 1301

PCT FREQ NH <5/8: 73.9

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 GBSCD TOTAL CBS 2.0 14.7 20.7 21.3 14.4 7.2 8.3 5.2 5.1 .2 1401

Δ	٧	N	IJ	۵	L

PERIOD: (PRIMARY)								TĀI	SLE 6				ARE	A 0002 CHRISTHAS ISLAND 10.18 105.2E
			P	RCENT		OF WIND								E DF
	497 448		N	NE	E	\$E	S	Sw	W	NW	VAR	CALM	PCT	TOTAL 095
•,,,		PCP	.0	.0	.1	.0	.0	•0	.0	•0	.0	•0	.1	
<1	1/2	NO PCP	.0	٠,	.0	•0	• 0	• 0	.0	.0	.0	.0	.0	
		INT %	.c	.0	.1	•0	•0	•0	•0	•0	.0	•0	. 1	
		PCP	.0		.1	.0	.0	• 0	٠,٥	.0	.0	.0	.1	
1/	/2<1	NO PCP	.0	.0	۰0	•0	•0	•0	•0	•0	.0	.0	.0	
		TOT %	.0	.0	.1	•0	•0	•0	•0	•0	•0	•0	. 1	
		PCP	.0	.0	•	•	.0	•0	.0	.0	٠.	.0	.1	
1 <	<2	NO PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	
		TOT .	.0	•0		•	.0	•0	.0	•0	.0	•0	.1	
		PCP	.0	.0		.3		• t	.0	.1	.0	.1	.8	
24	<5	YO PCP	.0	. 1	. 3	.3	.3	•0	. 1	• 1	.0	.0	1.1	
		TOT %	.0	.1	• •	.5	.4	• 1	. 1	• 1	.0	•1	1.9	
		PCP	• l	.?	.2	1.1	.2	•1	.2	. 4	.0	. 1	2.5	
5<	<10	NO PCP	. 5	•	2.5	5.6	1.0	.4	.6	.6	.0	•0	11.2	
		TOT \$	. 6	• 2	2.7	5.7	1.2	• •	. 8	1.0	•0	.1	13.7	
		PCP		.1	.7	.3	.1	• 0	. 1	.1	.0	.0	1.5	
10	0+	NO PCP	1.9	2.6	22.1	35.2	7.6	4.5	3,6	3.5	• • •	1.5	32.7	
		TOT \$	1.9	2.8	21,8	35.5	7.7	4.5	3,7	3.7	•0	1.6	\$4,2	
		TOT OBS												1653
		TOT PCT	7.5	3.0	26.1	42.9	9.3	5.1	4,5	4.9	•0	1.8	100.0	

TABLE 9

VSBY (NH)	SPD KTS	N	NE	E	SE	S	SW	Ħ	NX	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	463
<1/2	4-10	.0	.0	•1	.0		.0	.0	.0	ã.	, ,	, i	
	11-21	.0	.0		ō	.0		.0	.ŏ	.0		٥٠	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	ō		ō	
	TOT \$	.0	.0	.1	.0	.0	.0	.0	.0	.0	•0	,i	
	0-3	.0	.0	-1	.0	.0	.0	.0	.0	.0	•0	.1	
1/2<1	4-10	.0	.0	•1	.0	.0	.0	.0	.0	.0	_	.1	
	11-21	.0	.0	•0	.0	.0	.0	٠.	.0	٠.		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	٠.	٠,٥		.0	
	TOT X	•0	.0	.1	.0	•0	.0	•0	٠.	.0	.0	•1	
	0-3	.0	.0	.0	.0	.0	٠٥	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0		*	.0	.0	.0	.0	.0		.1	
	11-21	•0	•0	•0	.0	*0	.0	•0	.0	.0		.0	
	22+	•0	.0	•0	.0	•0	•0	•0	.0	.0		.0	
	TOT %	•0	.0	*	•	•0	.0	•0	•0	.0	•0	.1	
	0-3	.0	-1	•	.1	.0	.1	•0	.0	.0	.1	.3	
2<5	4-10	٠.٥	.0	.2	•2	. 2	.1	• 1	- 1	.0			
	11-21	٠,٥	•0	•2	. 3	.2	.0	•	.1	.0			
	22+	٠.	•0	•0	• •	٠.	.0	.0	.0	.0	_	- • 1	
	TOT \$	.0	-1	.4	.6	٠,3	• 1	-1	.2	.0	•1	2.0	
	0-3	.1	•0	.1	.1	.1	.2	. 2	. 1	.0	.1	.9	
5<10	4-10	٠,	.2	1.0	2.6	•6	.1	- 3	. 3	• 0		5,3	
	11-21	-1	•	1.2	3.5	. 5	.2	.3	• •	.0		6,3	
	22*	-0	•0	.3	, . 3	. • 0	٠.	•0	•	.0		6	
	TOT %	.6	.2	2.6	6.4	1.2	.5	.7	.9	.0	•1	13.1	
	0-3	.4	.2	• •	5	.5	.6	.3	. 3	.0	1.8	5.6	
10+	4-10	. 9	5.0	10.8	15.0	5.5	3.0	5.1	2.2	.0		41.4	
	11-21	.5	.6	11.1	18.8	1.9		1.4	1.1	.0		36.3	
	22+	. :	. :	>	9		.0		.0	.0		1.4	
	TOT %	1.5	2.8	23.1	35.7	7.9	4.4	3.9	3.6	.0	1.8	84.7	
1	OT DAS												181
1	OT PCT	2.4	3.0	26.4	42.3	9.5	5.0	4.7	4.7	.0		100.0	

PAGE 154

(

•

11

ANNUAL

PFFIDD: (PRIMARY) 1860-1972 (DVER-ALL) 1854-1972

TABLE 10

AREA 0002 CMPISTMAS ISLAND 10.15 105.25

PERC*NT	FREQUENCY OF	CETI ING	MEIGHTS	(FEETANH	>4/81	AND
	000 1346	CF SC W	- /5/8 6:			

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 5497	6500 7993	#C0C+	TJTAL	NH <5/8 ANY HGT	TOTAL OBS
20503	.0	.3	2.3	5.5	9.7	7.7	1.1	. 3	. 5	.8	27.6	72.4	355
90360	.0	.0	.7	4.6	11.3	6.1	2.1	.0	.3	.0	25.1	74.9	421
12615	.0	.:	.3	5.3	9.7	6.0	1.4	.3	. າ	• 5	22.6	77.4	330
18621	1.0	.0	.6	3.6	8.7	5.6	.6	1.6	٠.	• 1	21.8	78.2	270
TOT	,	,	۰	4.0	10.1	6.5	٠	. 4	. 1	. 2	24.7	75.3	1376

TABLE 11

TABLE 12

		PERCENT	FRED: EN	C4 429	Y (44)	AUCH Y6		\$04062					1784 HJJ8 1894 (1814	
HOUR (GMT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TCTAL CBS</th> <th>≒DUR (J4T)</th> <th>&lt;150 &lt;50YD</th> <th></th> <th>&lt;1000 &lt;5</th> <th></th> <th>NH &lt;3/8</th> <th>TOTAL Des</th>	2<5	5<10	10+	TCTAL CBS	≒DUR (J4T)	<150 <50YD		<1000 <5		NH <3/8	TOTAL Des
00603	٠,	٠.	٠,	1.2	10.7	88.1	438	00603	• 2	2.5	8,8	20.3	70.9	339
90360	.0	.2	.2	1.6	11.0	87.0	566	90360	.2	1.0	6.0	23.3	73.4	401
12615	. 5	٠,	٠,	2.4	14.1	83.0	422	12615	٠.٥	. 3	7.5	16.8	75.7	306
18621	.0	.2	••	2.6	17.1	80.0	415	18821	1.1	1.7	7,8	16.4	75.6	253
TOT	.1	-1	.1	1.9	13.4	84.0	1841	T2T PCT	. 2	1.3	7.7	18.5	73.5	1301

TARLE 13

TABLE 14

	PERC	ENT FR	EQJENC'	Y 0F 2	ELATIVE	HUMIC	PITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EOUENC	Y OF #	140 DI	RECTIO	4 87 T	Emp	
1 EMP F	0-29	30-39	40-49	50-59	50-69	70-79	80-89	90-100		PREG	4	NE	E	SE	\$	5#	¥	44	VAR	CALM
90/94	.c	.0	.0	•1	.2	.0	.:	٠.		. 4	.0	.0	.0	.1	. 2	.0	.0	.1	.0	.0
85/89	٠.	.0	.0	. 1	2.0	3.5	.6	•0		6.2	. 1	.0	1.7	2.0	.5	.7	.6	.5	•0	.2
80/84	.0	.0	.0	• 2	5.5	29.5	23.8	5.7		44.2	2.0	2.2	16.2	23.1	6.0	3.6	3.9	3.6	•0	1.5
75/79	.0	.0	.0	.0	1.0	10.7	13.3	3.8		28.7	• 1	. 6	7.1	16.2	2.4	, е	. 3	. 8	•0	. 2
70/74	.0	.0	• 1	• C	.0	• 2	. 1	. 1		. 4	.1	.0	•	.3	.0	.0	.0	.0	•0	.0
TOTAL									1285	100.0										
PCT	.0	.0	.0	.3	8.8	44.0	37.3	9.2			2.3	3.0	27.1	41.7	9.0	5.1	4.8	5.0	.0	1.9

TARLE 15

TABLE 16

	MEANS,	EXTREM	S AND	PERCEN	ITILES	Q# TE*	IP (DE	G F) 8	Y HOUR		PEFC	ENT FRE	QUENCY	OF RELA	TIVE H	YTICIM	BY HOUR	
HOUR (GHT)	PAA	9 / 1	05%	50%	5*	14	MIN	MEAN	TUTAL	HOUR (GMT)	0=29	30-59	60-69	70-79	\$6-89	90-100	MEAN	TOTAL DBS
00203 90360	97 94	86 38	84 86	81 82	77 78	76 76	73 66	80.2 81.6	1252 3031	E0300	.0	.0 .7	16.7	40.0 51.4	43.5 25.2	10.8	80 77	332 375
12615	90 88 97	85 84	84 83 85	81 80	78 77	76 75	70 <b>6</b> 9	80.3 79.5 80.6	1429 2152 7864	12615 18621 TOT	.0	.3	5.7 5.1 116	42.2 39.9 575	40.9 46.3 492	10.9 8.6 116	80 81 79	311 265 1303

ANNUAL

PERIOD: (FRIMARY) 1860-1972 (OVER-ALL) 1854-1972

TABLE 17

AREA 0002 CHRISTMAS ISLAND 10.15 105.2E

PCT	FRFO	OF	AIR	TEMPERATURE	COEG	F)	AND	THE	OCCURRENCE	QF	FØG	CHITHOUT	PRECIPITATION)
				VS AT	-SEA	TE:	MPERI	ATUR	: CIFFEPENCE	E ((	'EG F	:,	

AIR-SEA THP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	₽ FΩG	FOG
9/10	.0	.0	.0	. 1	-1	• 1	-1	5	.0	.4
7/8	.0	•0	.0	۰.	.1	. 1	.c	3	.0	. 2
٥	.0	•0	.0	.0	.0	. 1	.0	1	,0	.1
5	.0	.0	٠.	. 1	. 4	.7	. 4	21	.0	1.6
4	.0	• 0	,c	. 2	1.0	• 9	.3	34	.0	2.4
3	.0	.0	.c	. 3	1.3	.7	.0	31	.0	2.3
2	.0	.0	.0	1.3	4.6	1.3	.1	104	. 1	7.3
ì	.0	.0	. 1	4.4	7.7	.7	.0	184	.0	12.9
4 3 2 1 0	•0	•0	. 3	9.2	13.1	. 6	.0	316	. 3	22.9
-1	.0	•0	, 2	8.0	19.0	. 3	.0	266	.1	18.4
-2	.0	• 1	. 8	5.8	6.5	. 1	.0	186	.0	13.3
-3	.0	• 1	. 4	4.0	3.4	.0	.0	114	.0	7.9
-6	.0	• 2	. 3	2.9	2.2	.0	.0	79	.0	5.6
-5	. i	•0	. 2	1.3	.7	.0	.0	31	.0	2.3
-6	·ò	•0	. 3	7	.0	ò	.0	14	.0	1.0
-7/-8	.0	•0	.0	. 5	. 2	.0	.0	10	.0	7.7
-9/-10		•0	.ŏ	.2		.0	.c	3	. 0	.2
-11/-13			.i	.ŏ	.0	.0	.ö	ž	ě	
TOTAL	••	••	•	••		,.	••	1406	••	
PET	-1	• 3	2.7	39.1	51.4	5.6	.9	100.0	.5	99.5

PERIOD: (DVER-A: 1963-1972

(

TABLE 18

								INDLE 14						
				PC	T FRFO N	F WIND	SPEEN	(KTS) AND DIRE	CTIDN V	ERSUS S	EA nEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-23	34-47	48+	PCT	1-3	4-10	:1=21	27-33	34-47	48+	PCT
<1	. 4		•0	٠٥.	.0	.0	.4	.1	.2	.0	.0	.0	.0	.3
1-2	. 4	.3	• 1	.0	.0	.0	. 8	•1	1.1	,3	.0	•0	.0	1.5
3-4	.0	. 2	.0	٠٥.	.0	.0	• 2	•0	1.0	.1		•0	.0	1.2
5-6	.0	.2	.4	•0	.0	.0	• 7	•0		.5	•0	•0	.0	.5
7	.0	.0	.0	.0	.0	٠,٥	•0	•0	.2	.0	•0	.0	.0	•2
8-9	•0	•0	•0	.0	.0	.0	•0	•0	•0	.0	• • •	•0	.0	•0
16-11	.0	.0	•0	.0	.0	•0	•0	•6	•0	.0	•0	•0	.0	•0
12	.0	.0	•0	.0	.0	.0	٠.	•0	•0	.0	•0	•0	•0	•0
13-16	.0	.0	•0	.0	.0	.0	.0	•0	•0	•0	•0	•0	.0	•0
17-19	.0	.0	•0	.0	.0	.0	.0	•0	• 0	.0	.0	•0	.0	•0
20-22	.0	.0	•0	•0	٠.0	.0	•0	•0	•0	٠.	•0	•0	.0	•0
23-25	.0	. 5	.0	.0	.0	.0	•0	*0	•0	.0	•0	•0	.0	,0
26-32	.0	.0	•0	•0	•0	.0	•0	• 2	.0	•0	•0	•0	.0	•0
33-40	.0	٠.	•0	٠٥.	.5	٠.	•0	• 5	• ?	.0	•0	•0	.0	•0
41-48	.0	.0	•0	.0	.0	.0	.0	•0	•0	.c	•0	•0	٠.	•0
49-60	.0	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0
61-70	.0	.0	•0	•0	.с	.0	•0	40	•0	٠.	•0	•0	.0	•0
71-86	•0	.0	•0	•0	•0	.0	.0	•0	•0	.0	•0	•0	•0	•0
87+	•0	•0	•0	•0	•0	•0	.c	•0	0	.0	•0	•0	•0	.0
TOT PCT	.7	.7	.5	•0	•0	.0	2.0	•2	2.5	.9	•	•0	.0	3.6
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PST	1+3	4-10	11-21	SE 22-33	34-47	48+	PCT
<b>₹1</b>		.3		.0	.0	7.0			1.5		.0	.0		1.5
1.2	::	3.8		ĕ	.0	ě	6.6	ĕ	9.0	2.9		č	.ŏ	11.9
3-4	;;	4.1	6.5	:1	ň	:0	11.5	ž	4.8	8.8				14.3
5-6	:6	7.5	6.3	:i	.0	.ŏ	7.3	ñ	1,9	5,6		iŏ	.ó	7.3
7			1.7	.2	.0	.0	1.9	.0		3.9	.2	•0	.0	4.2
4-7	. 0	.0		.2	.ö		3	, č	ō	1.4	.2	•0	.0	1.5
10-11	.ŏ		i	,0	.ŏ	.ŏ	•1	ō	.0		.7	iò	.ò	.7
12	.0	.0	.0	.0	.0	,õ	.0	.0	.0	.0	.0	•0	, ö	•0
13-14	ŏ	.0	ě	.0	. 5	.0	.0	ō	. 0	.ò	.0	•0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0	. 2
20-22	.0		.0		. 6	.0	.0	ō	.0		.0	.0	.0	•0
23-25			ŏ	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
26-32	.0	.0	.0	.0	,0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	ŏ		.0		.0		Ğ	i	.0	.0	.6	30	.0	•0
41-48	.ŏ			.0	·ŭ	.0		ò	.0			•0	ñ,	.0
49-60	ŏ	.0	.0			.0	.0	io	.0			.0	. 6	•0
61-70	ŏ	.0	•0		.0	.0	.0	ō	.0	.0		•0	٥٠	فر
71-06	.0		.0	.0	.0	.0	,0	.0	.0	.0	.0	•0	.0	.0
874	.ŏ	.0	•0	.0	.0	.0	iõ	٥٠	.0	.0	.0	•0	.õ	.0
TOT PCT	. 3	11.9	15.5	.6	.0	.0	26,4		16.5	22.7	2.3	,0	.0	41.4

PERIOD:	(DUE	•-AII 1	1943-1	972					ANNUAL				ĀRFĀ	0002 C	HRISTH	AS ISLAND
birion.	10161		140301					TABLE	18 (CONT)	ı			-//6/-		5 105	
				PC	T F850 C	-	<>FFFD	(KTS)	AND DIREC	TION V	FRSUS S	FA HETG	HTS (FT			
								1								
HGT	1-3	4-10	11-21	522-13	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	. 1	.5	•0	.5	.0	.0	.6		. 3	. 2	.0	.0	.0	.0		
1-2	.0	3.4	.4	.0	.0	.0	4.2		.4	2.6	. 3	•0	•0	.0	3.5	
3-4	. 0	1.8	1.7	.0	•0	.0	3.5		.0	1.3	.6	.0	•0	.0	1.9	
5-0	.0	.0	•6	.0	.0	.0	.6		•0	.0	.3	•0	•0	•0	. 3	
7	٠.٥	.0	.4	.0	.0	.0	. 4		• 0	•0	•	•0	.0	.0	•	
8-4	.0	•0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
10-11	.0	.0	•0	• 1	.0	.0	• 1		• ?	•0	•0	•0	•0	•0	•0	
12	.0	.0	•0	.0	.0	.0	٠,		•0	•0	.0	• 9	•0	•0	•0	
13-16	.0	.0	•0	•0	.0	• 0	•0		•0	.0	•0	•0	•0	•0	•0	
17-19	.0	.0	•0	.0	.0	.0	.0		•0	•0	٠.	.0	•0	•0	•0	
20-22	.0	.0	•0	.0	۰,0	•0	.0		•0	:0	•0	.0	•0	•0	•0	
23-25	.0	.0	•0	.0	•0	٠,	•0		.0		•0	•0	•0	•0	•0	
26-32 33-40	٠.0	.0	•0	.0	•0	.0	.0		.0	.0	.0	•0	•0	.0	.0	
41-48	.0	.0	•0	.0	.0		•0		.0	.0	.0	.0	•0	.0	.0	
49-60	.0		.0	.0	.ŏ		.0		.0			.0	.5	.0		
61-70	ě		.0		.0	.0	.0		ŏ			.0	•0	ŏ		
71-86	·ŏ	.0	•0		ě		.0		ŏ	ŏ		.0		.0		
874		.ŏ	•0		.5	.0				.0	.0			.0		
TOT PCT	.1	4.1	3.1	.1	.0	.0	9.4			4,3	1.2		•0	.0	6.3	
	• •				• •						•••		• • •			
												_				
				*								NA				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	484	PCT		1-3	4-10	11421	22-33	34-47	484	PCT	PCT
G.	• 0	.0	•0	•0	.0	.0	0		.3		.0	•0	•0	•0	.5	
1-2	. 1		• 7	•0	). 0.	.0	1.6		.0	::	.3	•0	•0	.0	.•?	
3-4 5-6	:0	1.0	.4	.0	.0	:0	1:2		:6	:0	.4	.0	•0	:ŏ	1.1	
770		.0	.1	.0	.0	.0			.0			:6	•0	.0	,3	
8-9					۰۰	.0	.0		ŏ	.5	.6					
10-11		.ŏ			.0	.0			ŏ	ŏ	.0	.0				
12			.0		.6	.0			.0	.0	.2	.0	•0	•0	. 2	
13-16	.0	.ŏ	.0	.0		.ŏ	.0		.0	, ò	.0		.0	.0	.0	
17-19	.0	.0	•0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	)	.0	.0	.0	٠.	•0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	1	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	٠,	.0	.0	)	.0	.0	.0	.0	•0	•0	.0	
33-40	.0	.0	.0		.0	.0	.0		.5	.0	.0	.0	•0	.0	.0	
41-48	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
47-60	.0	.0	•0		•0	.0	.0		•0	•0	•0	•0	•0	•0	•0	
61-70	.0	.0	•0		•0	•0	•0		•0	.0	.0	•0	•0	.0	.0	
71-86	.0	.0	•0		•0	.0	•0		•0	•0	.0	•0	•0	.0	.0	
87+	٠.	.0	•0		.0	.0	• 0		•0	0	0	-0	•0	.0	•0	
TOT PCT	. 1	1.9	1.4	•0	.0	.0	3.3	•	.3	1.1	1.7	.2	•0	•0	3.3	97.9

	MIND	\$25ED	(KTS)	VS SEA	HEICHT	(FT)		
нот	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	3.5	3.0	.0	.0	.0	.0	6.5	
ì-2	1.3	23.9	5.7		.0	.0	30.8	
3-4	2	15.5	18.6		.0	.0	34.7	
5-6		2.0	14.4	1.1	.0	.0	17.5	
7	.0	.3	6.5		.0	.0	7.1	
1-9	.6	.6	1.5			.0	1.9	
10-11	ŏ	.0	1				• • •	
12	.0	.0	.2				ž	
13~18	.0		.0	,0				
17-19	.0	.2	.0	.0		.0		
20-22	.0	.5	.0			.0		
23-25	.0			• ?				
		•0	•0				•0	
26-32	.0	.0	.0	•0		.0	.0	
73-40	.0	.0	.0			.0	.0	
41-48	.0	.0	.0			٠.	.0	
46-99	.0	.0	.0	.0		.0	.0	
61-70	٠٠	.0	.0	.0		.0	.0	
71-86	.0	.0	.0	.0	.0	.0	•0	
87+	.9	.0	.0	.0	.0	.0		
							•	698
TOT PCT	5.0	44.5	46.9	3.2	.0	.0	100.0	

			PEPCE	NT FPE	<b>SUENCY</b>	SF 00	CUPREN	re OF	SFA TE	MP (DE	G =; 8	V #8N7	•	
SEA THP DEG F	JAN	FEB	HAR	APR	MAY	JUN	JÜL	AUG	SEP	GCT	NOV	DEC	ANN	PCT
96+	.0	.0		.0	.0	.0	.0	.0		•0	.0	.0	0	.0
95/96	• 0	.0	.0	.0	.0	•0	.0	.0	•0	• 0	.0	•0	0	.0
93/94	• 0	.0	.0	.0	.0	.0	.0	•0	•0	• 0	.0	• 0	0	•0
01/92	•0	.c	. 2	.0	.0	•0	.0	.0	• 0	•0	.0	.0	1	
89/90	• • •	.0	.6	• 0	. 2	• 1	.0	• 0	• 0	• 0	٠.	•0	5	• 1
67/88	• 7	3.1	4.0	1.0	. 2	.5	• 0	.c	.0	• 6	. 2	.7	44	.6
85/86	4.5	13.0	30.0	15.7	6.2	3.8	1.3	. 1	.6	. 8	1.3	5.5	354	5.1
83/84	45.6	40.5	40.9	48,5	37.9	11.9	7.7	2.0	4.3	4.1	9.3	14.0	1283	18.4
81/62	43.6	36.3	27.0	31.3	46.8	48.4	31.1	16.9	13.0	19.7	43.1	61.9	2275	32.6
79/80	5.4	7.3	4.2	3.3	7.0	27.2	35.2	34.7	34.5	42.7	33.1	16.7	1687	24.2
77/78	.5	.0	1.7	. 2	. 8	7.1	19.1	37.3	36.6	25.2	11.4	. 5	1035	14.8
75/76	.0	.0	1.3	.0	.6	.7	4.1	7.0	10.3	3.0	.8	.5	216	3.1
73/74	•0	.0	. 2	.0	.0	• 3	. 4	.5	2.1	2.7	. 2	• 2	49	.7
71/72	•0	.0	•0	.0	. 2	• 0	• 3	.4	.3	. 9	.0	. C	15	٠.2
69/70	.0	.0	• 5	.0	.0	.0	, 8	. 3	.3	•0	• • •	•0	10	- 1
67/68	•0	.0	.0	.0	٠.	.0	. 0	.1	.0	•0	.0	.0	1	
65/66	.0	. c	.0	٠,	.0	•0	.0	.0	.0	• 0	.0	.0	0	.0
63/64	.0	.0	• 2	.0	.0	• 0	.0	.0	• 0	• 0	.0	.0	0	•0
61/62	٠.	.0	. 7	•	.0	.0	• 2	.0	.0		. 2	.0	0	•0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	0	•0
57/58	.0	.0	.0	٠.	.0	.0	.0	.0	•0	.0	.0	.0	0	•0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	- 0	• 0	.0	.0	0	•0
53/54	• ^	.c	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	•0	• 0	.0	.0	0	.0
49/50	٠,^	.c	.0	.0	.0	.0	.0	٠.	•0	•0	.0	.0	C	٠.
47/48	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	0	•0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	٥	.0
41/42	•0	٠.	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	•0
39/40	.0	.0	. 0	. 0	.0	• 5	.0	.0	.0	. 0	. 0	.0	0	.0
37/38	.0	.0	. 0	.0	.0	. 6	.0	٠.	• 0	•0	.0	.0	٥	•0
35/36	.0	.0	.0	.0	.0	.0	'n	.0	•0	•0	.0	.0	Q	.0
33/34	.0	.0		. 6	.c	.0	,c	.0	•c	.0	.0	.0	0	•0
31/32	.0	.0	.0	. 0	.0	.0	.0	.0	•0	.0	.0	.0	٥	•0
29/30	•0	.0	.0	.0	.0	•0	.0	.0	.0	• 0	.0	.0	0	•0
27/28	. c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	•0
<b>C27</b>	.0	.0	.0	.0	.0	.0	.0	.0	• 0	• 0	.0	.c	0	.0
TOTAL	443	262	530	515	485	762	753	757	774	785	492	420	6978	100.0
MEAN	82.5	82.8	83.2	83.1	82.3	81.0	79.8	78.8	78.5	79.2	80.6	81.7	81.1	

TABLE 21 PRESSURE (HB)

			AV	ERAGE	BY HOU	R (GMT	,			TOTAL
HF	0000	0300	0600	0900	1200	1500	1800	2100	MFAN	285
JAN	1010	1009	1009	1007	. 209	1009	1009	1008	1009	159
FER	1000	1012	1009	1007	1008	1012	1008		1009	125
MAG	1010		1007	1009	1009	1012	1610	1011	1010	152
APR	1010	1009	1009	1000	1009	1010	1010	1009	1009	105
-44	1010		1010	1009	1010		1610	1009	1010	172
JÜN	1011	1006	1010	1010	1611	1211	1011	1010	1011	195
JUI	1012		1012	1011	1011	1013	1012		1012	175
AUG	1012	1012	1012	1010	1017	1012	1012	1010	1012	169
SEP	1013	•••	1012	1012	1012	1015	1012	1613	1012	165
OCT	1013		1012	1011	1012	1214	1012	1014	1012	150
NOV	1011	1012	1010	1011	1010	• •	1010	1009	1010	115
DEC	1010	1010	1009	1008	1009	1010	1010	1010	1010	119
ANA	1011	1010	1010	1009	1010	1012	1011	1010	1011	1891

				•	ERCENT	TLES			
HE	P1N	13	5%	25%	50%	75%	95%	₹9%	MAX
JAN	1004	1004	1006	1008	1010	1011	1012	1012	1013
FER	1002	1004	1005	1008	1009	1010	1612	1013	1014
MAR	1001	1003	1006	1008	1010	1011	1013	1013	1015
APR	1005	1006	1007	1008	1009	1010	1012	1013	1014
HAY	1000	1006	1007	1009	1010	1011	1013	1014	1015
JUN	1005	1007	1008	1009	1011	1012	1014	1015	1018
JUL	1008	1008	1009	1011	1017	1013	1015	1017	1020
AUG	1006	1006	1008	1011	1012	1013	1014	1017	1020
SEP	1008	1008	1009	1011	1012	1014	1015	1018	1019
CCT	1005	1000	1009	1011	1012	1013	1014	1017	1018
NOV	1004	1004	1007	1009	1011	1012	1014	1014	1015
DEC	1006	1006	1007	1009	1010	1010	1012	1013	1014

PAGE 158

C

TABLE 1

AREA 0003 SUNDA STRAIT 5.65 104.7E

	FACALIENCY			<b>GCCURRENCE</b>			
PEKLENI	PREGUENCY	UP	REATHIR	ULLUKKENCE	BT	M 1 4 D	DINECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
WND CIR	RAIN	RAIN SHUR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTPC	PCP4 FDG	FOG WO PCPN PAST HR	SHOKE	SPRAY REWG DUS BLWG SND	
N	10.1	.0	4.3	.0	.0	.0	.0	10.1	•0	5.8	.0	•0	.0	.0	84.1
ΝE	.0	.0	.0	.0	.0	.0	.0	.0	11.8	2.9	.0	:0	.0	.0	85.3
Ε	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.3	.0	.0	.0	.0	72.7
ŠΕ	.0	.0	12.9	.0	.0	.0	.0	12.9	. 0	.0	.0	.0	.0	.0	67.1
Š	.0	.0	.0	.0	.0	.0	• C	.c	14.3	7.1	.0	.0	.0	.0	78.6
S w	7.1	3.6	3.6	.0	٠.	.0	.0	14.3	1.8	9.6	.0	.0	.0	.0	75.9
ŭ.	7.7	5.8	3.8	.0	.0	.0	.0	17.3	5.8	8.7	1.9	.0	.0	•0	69.2
ÑW	16.1	2.0		.0		. 6		18.0	•0	5.0	2.0	ō	.0	.0	70.1
VAR	.0	.0	.0	.0	.0	.0			.c	0.0		.0	•0		.0
CALM	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	•0	.0	•0	•0	100.0
TOT PCT	8,7 184	2.7	2.7	.0	•0	.0	.0	13.6	3,3	7.1	1.1	•0	•0	•0	76.6

TABLE 2

#### PERCENT FREQUENCY OF WEATHER DECURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHHR	DR7L	FRZG PCPh	SNOW	OTHER FAZI: PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG HO PCPN	FOG WD PCPN PAST HR	HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	9.6 6.0 7.1 12.5	1.9 .0 .0 10.4	3.5 2.0 .0 4.2	.0 .0 .0	.0	.0	.0 .0 .0	15.4 8.0 7.1 25.0	2.0 .0 4.2	.0 11.9 20.8	1.9 .0 2.4	.0	•0 •0 •0	• 2	76.9 90.0 81.0 56.3
TOT PCT TOT CBS:	8.9 192	3.1	2.6	•0	•¢	.0	•0	14.1	3,1	7.0	1.0	•0	•0	•0	76.0

TABLE 3

## PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED IKNO		_		•						(GHT)			
WHD DIR	2-3	4-10	11-21	22-33	34-47	48+	TOTAL	FRFQ	MEAN SPD	90	03	06	09	12	15	18	21
N	1.7	5.2	1.3	.2	•0	.0		1.4	7.1	7.6	14.3	8.5	12.0	6.1	21.4	8.4	7.4
NE	1.3	2.6	. 3	•	.0	.0		4.3	3.7	4.1	14.3	5.4	2.1	5.8	.0	3.0	4.2
E	1.2	1.6	. ?	.0	.0	.0		2.9	4.9	8.0	•6	2.1	1.7	1.8	•0	2.6	1.0
SE	1.4	3.5	.6	.0	.0	.0		5.5	5.9	6.4	.0	6.0	3.1	4.4	.0	6.5	5.8
S	2.1	3.4	.4	.1	.0	.0		6.1	5.7	5.5	.0	3.9	5.5	9.0	28.6	7.3	5.8
Š'n	2.3	7.5	2.1		.0	.0		12.3	7.6	11.1		12.1	13.4	14.3	14.3	11.1	12.9
¥.	1.9	13.7	6.7	1.7	.0	.0		23.9	9.9	18.9	57.1	23.7	26.4	23.7	14.3	26.8	23.7
Ñw	2.5	14.4	10.6		.1	.0		30.1	10.8	34.1	14.3	31.4	31.8	26.0		27.4	30.5
VAR	.0	.0			.0			.0	.0	•0		.0	•0	•0			.0
CALM	6.4							0.4	.0	4.3	.0	6.7	4.1	8.9	•0	6.8	7.9
TOT CBS	249	625	764	56	1	0	1153		1.2	187	7	284	146	169	*7	205	190
TOT PCT	20.8	52.3	22.1	4,7	• i	.0		100.0			100.0		100.0		100.0		

## TABLE 3A

WND DIR	0=8	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	HEAN SPD	00 63	HQUI 06 09	1 (GHT) 12 15	18 21
N.	5.1	2.9	٠,	•1	-0		1.4	7.1	7.2	1.1	6.7	7.5
NE	3.1	1.1	.1	.0	.0		4.3	5.7	4.5	4.2	5.5	3.6
ŧ	2.4	.4	• 1	۰.	.0		2.9	4.9	7.7	2.0	1.7	2.2
5E	3.8	1.6		.0	.0		5.5	5.9	6.2	5.0	4.3	•.1
\$	4.1	1.8	.1	.0	.0		6.1	5.7	5.3	4.0	7.0	4.4
Sw	6.1	5.4	. 9	.0	.0		12.3	7.0	10.7	17.5	14.3	12.0
¥	0.5	11.7	3.5				23.9	9.9	20.2	24.4	23.3	25.3
HW	9.7	14.5	5.4		:1		30.1	10.8	33.4	31.6	₹5.4	28.9
VAR	.0	•0	.0		. ō		.0	.0	.0	.0	.0	.0
CALH	6.4			-			6.4	.0	4.1	5.8	9.5	7.3
TOT ORS	589	470	126	•	1	1195		8.2	194	430	176	395
TOT BET	48 3	10.1	10.6		•		180 6		100.0	100.0	. 40.0	100.0

JANJARY

PERIODI (PRIMARY) 1879-1973 (OVER-4LL) 1855-1973	TAPLE 4	AREA 0003 SUNDA STRAIT 5.65 104.7E
	PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)	

нОия	CALM	1+3	4-10		SPEED 22-33		48+	HEAN	PCT FREQ	TOTAL
	• -			•				-		
00103	4.1	20.1	50.5	20.6	4.1	. 5	.0	8.2	100.0	194
06609	5.8	12.3	54.9	22.6	4.4	40	٠.	8.3	100.0	430
12615	8.5	18.2	50.6	19.3	3.4	.0	.0	7.4	100.0	176
18621	7.3	12.2	51.1	23.5	5.8	.0	.0	8.5	100.0	395
TOT	77	172	625	264	56	1	0	8.2	•	1195
PCT	6.4	14.4	52.3	22.1	4.7	.ī	.0		100.0	

			T	ABLE 5								TA	BLE 6					
PC	T FRE			CLOUD A		EIGHTHS)		1					CEILIN NH <5/					
IND DIR	0-2	3-4	5-7	8 £	TOTAL CBS	MEAN CLOUD COVER	000 149	150 290	300 599	939	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1,2	1.5	3.0	4.0		5.5	•0	•0	.0	.0	1.6	•0	.0	•0	•0	.0	8.2	
NE	.0	1.8	4.0	1.5		5.0	•0	• ^	.0	•0	. 3	1.2	.0	.0	•0	.0	5.8	
E	.0	.4	1.2	•0		5,1	.0	٠.	,c	٠,	1.2	.0	.0	.0	.0	.0	.9	
SE	1.2	1.2	1.2	. 3		4.3	•0	• 3	.0	•0	.0	• 2	.0	.0	.3	.0	3.7	
S	.9	1.9	2.1	1.8		5.0	•0	.0	. 5	.0	. 9	.0	.0	.0	.9	.0	4.9	
Sw	. 3	1.6	6.4	6.7		6.6	•0	. ^	1.2	2.4	1.8	1.2	.0	•0	•0	.0	8.5	
¥	1.2	2.4	5.8	7.6		6.4	•0	.0	.0	1.2	1.8	3.7	.0	•0	•0	.0		
NW	.0	2.7	11.6	15.9		6.8	•0	•0	.0	2.4	6.7	2.4	1.2	•0	• 0	.0		
VAR	.0	.0	.0	٠.		•0	•0	.0	٠٥	• 0	.0	• 0	.0	•0	•0	.0	.0	
CALM	.0	3,7	2.4	1.2		4.9	•0	.0	. 0	1.2	•0	,0	.0	•0	•0	.0	6.1	
OT UBS	4	15	31	32	82	6.1	ŏ	Ö	i	- 6	12	7	ī	ŏ	1	ŏ	54	82
OT PCT	4.9	10.3	37.8	19.0	100.0		•0	• 6	1.2	7,3	14.6	8.5	1.2	•0	1.2	.0		100.0

TABLE 7

CUMULATIVE PCT FREG OF SIMULTAMEDUS OCCUMBENCE
OF CEILING MEIGHT (NH )A/A) AND VSBY (NM)

				VSBY (NH	1			
CEILING	- OR	• DR	• DR	. 08	• OR	- OR	# OR	# DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5070	>0
• OR >6500	1.2	1.2	1.2	1.2	1.2		1.2	1.2
# OR >5000	1.2	1.2	1.2	1.2	1.2	4	1.2	1.2
<ul> <li>□ OR &gt;3500</li> </ul>	2.4	2.4	2.4	2.4	2.4	.4	2.4	2.4
■ DR >2000	8.3	6.3	9.5	9.5	9.5	9.5	9.5	9.5
• DR >1000	21.4	22.6	23.8	23.8	23.8	23.8	23.8	22.8
■ DR >600	27.4	29.8	31.0	31.0	31.0	31.0	31.0	31.0
• DR >300	27.4	31.0	32.1	32.1	32.1	32.1	32.1	32.1
• OR >150	27.4	31.0	32.1	32.1	32.1	32.1	32.1	32.1
• OR > 0	27.4	31.0	32.1	32.1	32.1	32.1	32.1	32.1
TOTAL	23	26	27	27	27	27	27	27

TOTAL NUMBER OF DEST 84 PCT FRED NH 45/81 67.9

TABLE 7A
PERCENTAGE FREQ D® LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD 08\$ 1.1 14.0 15.1 23.7 9.7 7.5 5.4 6.5 17.2 .0 93

	٠	4		٠	٠	u
J	а	. 7	u	2	м	. T

								JA	MUARY						
PERIODI (PRI)		879-1973 855-1973						TA	ALE 8				ARE	A 0003	SUNDA STRAIT 5.65 104.7E
			PE	RCENT						URRENC ALUES				E OF	
	VSBY (NH)			NE	E	SE	S	Sw	w	ИМ	VAR	CALM	PCT	TOTAL	
	<1/2	PCP ND PCP TOT %	0.0	.0 .0	.0 .0	.0	•0	•0	.0	••	.0	•0	.0		
	1/2<1	PCP ND PCP TOT \$	.000	.0 .0	.0 .0	.0	•0	•0	.0	•0	.0 .0	•0	.0 .0		
	1<2	PCP ND PCP TOT %	.0	.0	.0	.0	•0	•0	.0	1.1 .0 1.1	.c .o	•0	1.1 .5 1.6		
	2<5	PCP NO PCP TOT 1	°. °.	.0 .5 .5	.0 .0	•0	•0	••	. c . c	.0	••	•0	1.1		
	5<10	PCP NO PCP TOT \$	1.0 2.2 3.1	.0 .5	•0	•0	••	1.6 1.8 3.4	3.3 7.6 8.9	2.3 5.3 7.7	.0	•0	8.2 15.8 24.0		
	10+	PCP ND PCP TOT %	6.3 6.3	3.6 3.6	.0 1.5 1.5	3.7 4.2	.0 5.3 5.3	.5 10.8 11.3	17.3 17.9	1.1 17.6 18.7	.0	3.3 3.3	2.7 69.4 72.1		
		TOT DAS	9.4	4.6	1.5	4.2	5.7	15.3	27.9	26.0	•0	3.3	100.6	143	

TABLE .

									ALM.			PCT	TOTAL
482V (44)	SPD KTS	N	ME	£	SE	5	SW	×	NW	VAR	CALH	-	DBS
	0-3	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0	
<1/2	4-10	.0	•0	٠,٠	•0	.0	.0	٠,٥	.0	.0		.0	
	11-21	•0	.0	.0	•0	.0	.0	.0	.0	•0		.0	
	*5*	• 0	•0	٠,٥	•0	•0	٠0	٠.	.0	.0	_	.0	
	TO7 %	.0	•0	•0	•0	•0	.0	.0	•0	•0	•0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	• •	. ၁	.0	.0	.0	٠,	.0	• 0	•0		.0	
	11-71	.0	•0	.0	•0	•0	.0	.0	.0	۰0		.0	
	22+	•0	•0	•0	•0	•0	•0	.0	.0	.0	_	.0	
	TOT %	.0	•0	•0	٠.	.0	.0	.0	• •	.0	•0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<5	4-10	.0	.0	.0	,0	. 1	• 1	.,	•0	٠,٥		.5	
	11-21	•0	.0	•0	•0	.0	.0	•0	. 5	.0		.5	
	22+	.0	.0	.0	•0	•0	.0	•0	. 3	•0	_	.3	
	TOT \$	.0	.0	.0	٠.	• 1	•1	.3		.0	.0	1.3	
	0-3	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	٠ċ	.3	•0	•0	•0	.3	.3	3	٠0		1.1	
	11-51	• 1	.0	.0	•0	•0	•0	• • •	1.1	.•0		2.1	
	52+	•0	.0	•0	•0	.0	٠.٥	0	3	0			
	TOT \$	•1	.3	.0	•0	•0	.3	1.2	1.6	.0	.0	3,4	
	0-3	.4	.3	.0	.0	.0	.0	. \$	.5	.0	.5		
5<10	4-10	1.3	.3	.0	-1	.6	2.6	3.6	2.9	•0		11.3	
	11-21	.4	•0	•0	.0	•0		2.2	2.0	.0		5,5	
	22+	٠.	.0	.0	•0	•0	0	*	1	.0		20.5	
	TOT \$	2.0	.5	.0	. 1	.6	3.5	7.2	5.5	•0	.5	20.1	
	0-3	.7	9	• •		1.6	2.2	1.2	1.3	.0	5.0	14.0	
10+	4-10	5.3	1.8	• •	2.3	3.1	7.5	32-5	13.9	.0		47.2	
	11-21	.1	.0	•0	•6	• 1	1.1	4.7	7.2	.0		13,Z	
	22+	. 2	.1	.0	.0	.0	0	1		.0			
	70T X	6.3	2.8	1.3	3.7	4.8	10.8	18.5	22.6	.0	5.0	75.2	
	OT DAS												87
1	OT PCT	8.5	3.4	1.3	3.2	5.5	14.6	27.2	30.5	.0	5.2	100.0	

	۸	4	١	٠	ŧ	•	١

PERIOD:	(PRIMARY)	1679-1973
	(INVERNALL)	1455-1973

TARLE 10

AREA 0003 SUNDA STRAIT 5.65 104.7E

ERCEN*	FREQUENCY	OF CE	ILI	٩G	HEIGHT	rs (	FEET. NH	14/87	AND
	OCCUI	IRENCF	OF	NH	<5/8	84	HGUR		

HOUR (GMT)	060 149	150 299	300 599	600 949	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	7.1	17.9	14.3	3.6	.0	.0	.0	42.9	57.1	28
00300	.0	.0	5.3	5.3	21.1	٠.	.0	.0	.0	•0	31.6	68.4	19
12615	.0	.0	.0	5.3	.0	5.3	.0	.0	٠.	•0	10.5	89.5	19
18621	.0	.0	.0	9.5	14.3	9.5	.0	.0	4.8	•0	36.1	61.9	21
TOT PCT	.0	.0	1.1	6.9	13.8	5.C	1.1	.0	1.1	•0	28 32.2	59 67.8	87 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NK)	BY HOUR		CUMULAT					CHM) YBEV SUCH YBEV	
HBUR (GPT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL CAS</th> <th>HDUR (GHT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NM &lt;5/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	10+	TOTAL CAS	HDUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00203	.0	.0	7.4	3.6	20.5	73.5	43	60300	•0	•0	11.5	30.8	57.1	26
06609	•0	.0	.9	4.4	15.8	78.9	114	36609	•3	5.3	13.5	21.1	68.4	19
12615	.0		1.4	4.2	16.9	77.5	71	12615	•0	•0	10.5	5.3	84.2	19
18221	.0	.0	.8	1.7	26.9	70.6	119	18621	•0	•0	10.0	30.0	60.0	20
TOT PCT	0	0	5	13	79 20.4	290 74.9	387 100.0	707 207	0	1.2	13.7	19 22.6	50 66.7	84 100.0

TABLE 13

TABLE 14

	PERC	ENT FR	EOUENC'	Y OF R	ELATIV	E HUMI	01TY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	029	30-39	40-49	50-59	60-67	70-79	80-89	40-100		FREQ	н	NE	E	SE	S	SW	¥	44	VAR	CALM
95/99	.0	. 1	.0	٠,		.0	.0	.0	1		.4	.0	.0	ں م	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.0	. 8	. 4	1.5	1.5	•0	6	4.5	.8	.0	.0	•0	.0			2.3	.0	.0
80/84	.0	.0	.0	.0	3.0	25.8	34.1	5.3	90	56.2	9.5	5.1	1.5	3.2	3.8	10.4	15.2	16.2	.0	2.3
80/84 75/79	.0	.0	.0	.0		1.5	15.2	9.8	35	26.5	2.7					2.8	9.3	9.3	.0	
TOTAL	0	Ö	Ö	1	6		67	20	132	100.0		•	••						• • •	• -
PCT	.0	.0	.0	. 8	4.5	28,8	50.8	15.2			12.7	5.5	1.5	4.0	4.4	14.0	25.2	29.7	.0	3.0

TABLE 15

( (

TABLE 14

	•																	
	HEANS,	SXTREM	ES AND	PERCE	ITILES	09 TE1	1P :0E	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RFLA	717E H	YTIOIPU	BY HOUF	ì
HOUR (GMT)	HAX	998	95%	50%	51	12	HIH	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-09	70-79	80-89	90-100	MEAN	TOTAL DBS
EC300	90 96	27 90	85 87	81 82	77 78	73 76	72 73	\$0.6	191 423	00£03	.2	2.9	14.3	17.1	65.9 34.3	17.1	85 76	41 35
12615	87 89	36 26	84	82 81	79 77	76 75	75 73	81.7 60.5	170 386	12615 14621	•0	•0	3.4	31.0	55.2 45.5	10.3	82 85	29 33
101	96	89	86	61	77	75	72	81.4	1170	701	э	1	•	40	70	21	82	138

TABLE 17

AREA 0003 SUNDA STRAIT 5.65 104.7E

PCT FREG OF AIR TEMPERATURE (DEG	F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA	TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT		NO.
TMP DIF	76	80	84	68	92		FÜG	FCG
7/8	.0	.0	.0	.6	.0	1	٥.	.6
4	.0	.0	.0	1.3	.6	š	•0	1.9
3	.0	.0	. 6	.6	.c	ž	•0	1.3
2	.0			1.9	.0	10	.0	6.4
1	.0			.6	.0	ii		7.0
3 2	.0	2.5		.0	.0	30		19.1
-1	.0	2.5	9.6	1.3	.0	21	.0	15.4
-2	. 6	7.0			.0	30	.0	19.1
-3	• a	7.6	2.5	.0	.0	16	ñ	10.2
-4	.0	5.7		. 5	.0	14	.0	8.9
-5	.0	4.5	1.3	.0	.0	9	•0	5.7
-6	.6	2.5	.0	. 0	.0		.0	3.2
-7/-8	.0	.6	. 5	.0	.0	ž	•0	1.3
-9/-10	1.9	.0	.0	. 5	.0	3	.0	1.9
TOTAL	6		87	• -	1	•	- 0	157
	-	53	-	10	-	157	•	
PCT	3.6		55.4	6.4	.6	100.0		100.0

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

#37																	
MTT					PC	T FREQ	OF WIND	SPEED	(KTS)	AND E	IRE	CTION V	ERSUS S	EA HEIG	HTS (FT	,	
MTT					N												
C1	MST	1-3	4-10	1:-21		34-67	484	967		,	-3	A-10	11-21		34-43		
1-2																	
3-4										•							
### T 1-3 4-10 11-21 \$22-33 34-47 48- PCT 1-3 4-10 11-21 \$22-33 34-47 48- PCT 17-2	3-4							3.7									
## ## ## ## ## ## ## ## ## ## ## ## ##	5-6																
Sep																	
10-11																	
12	10-11																
13-16																	
17-19	13-16	.0															
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
23-25																	
26-32																	
33=60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
## ## ## ## ## ## ## ## ## ## ## ## ##																	
49-80																	
61=70																	
71=86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																.0	
## 10													•0	•0	•0	.0	•0
TOT PCT .0														•0	•0	•0	.0
HGT 1-3 4-10 11-21 E 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								-•0					•0		•0	•0	•0
HGT 1-3 4-10 11-21 22-33 34-47 486 PCT 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	101 761	•0	4.5	•0	1.4	•0	•0	9.7		1	.9	8,3	•0	.5	•0	•0	10.6
HGT 1-3 4-10 11-21 22-33 34-47 486 PCT 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2					_												
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	HGT	1-3	4-10	11-21	E 22-33	34-47	404				_•	4-10					
1-2																	
\$ -4																	
5-6																	
7																	
8-0																	
10-11																	
12																	
13-16																	
17-19 0 0 0 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0																	
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
26-32 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 ·																	
33-40																	
49-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
61-70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
71-86 .0 .0 .0 .0 1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0														•0			•0
874 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0														•0			.0
	11-20													.0	•0	.0	.0
												.0		.0	•0	.0	.0
	TUT PCT	•0	.0	•0	د.	.0	•0	•0			•0	3.7	.0	.0	•0	.0	

PERIODI (CVER-ALL)									JAN	UŁRY				1001	0000	College STRAIR
PERTUDI	(CVE	1-4L( )	1963-19	/3				TABLE	18	(CDPT)				AKEA		SUNDA STRAIT 65 104.7E
				PĆ	T F#F0 0	- wind	SPCED	(RTS)	AND	מפרוה	7155 V	EFSUS S	EA 4EIG	HTS (F)	1	
HGT	1-3	4-10	11-21			48+	PCT				4-10		SW 22-33		48+	PCT
<1	• 6	2.8	•6	• • • •	•^	.0	2,8			-0	4.6	1.7	.0	• 0	.0	4.3

				\$							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-2:	22-33	34-47	48+	PCT	
<1	• 6	2.8	.0	.0	•0	.0	2.8	•"	4.6	.0 3.7	.0	• 13	•0	.9	
1-2	• ?	4.6	•0	.0	•0	•0	4.6	•0	4.2		.0	•0	.0	8.3	
3-4	• 0	.0	•6	.0	• 6	٠.	•3	.0 .n	• • •	٠,	.0	•0		4.2	
5-0	.0	.0	•0	•0	•"	•0	.0		ő	: :	•0	.6	.5	.0	
7 8 <b>-</b> 9	.0	.0	•0	.?	.0	•0	.0	.0	.0	.6	.0	•0	.3		
	.0		•0	.0		٠٥	•0		.0	.0	.0	.0		.0	
10-11	۰.	.0	•0 •n	.0	.0	.0	٠٥	Ď	.0	.0	.0	.0	;	.0	
12 13-16	.0	.0	•0		.0	.0	.0	.0	.0	:0	.0	ěš	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.ŏ	.0	
20-22	.0	.0	.0	.0	• • • • • • • • • • • • • • • • • • • •	.0	.0		.0	.0	.0	.0			
23-25	.0	.0	•0			.0	'n	•	.,	.,	.0			.0	
26-32	.0	.ŏ	'n			.0	.0	.0	.0	.6	.0		.5	.0	
33-40		.0		.0	.5	.0	ě	.0	.0	.0	.5	.0	.5	.0	
41-48	.ŏ				ň	.0	ě	.0	.0	.0	.0	.0	.5	.0	
49-60		.6	.0		·c	.0	ě		.0	. 6	.6	.0	.0	.0	
61-70	.ŏ		.0	.0	ň	.0	iò	'n	. 5	.0	.0	.0	, ò	.0	
71-66	.0	.0			.0	.0	.0	.0	,0	.0	.0	.0	.0	.0	
67+	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	7.4	9.	.0	.0	.0	7.4	.0	9.7	3.7	.0	•0	.0	13.4	
				W							NW	<b>-</b>			TOTAL
HĢT	1-3	4-10	11-21	H 22-13	34-47	48+	PCT	1=3	4-10	11-21	22-33	34-47	49+	PCT	TOTAL PCT
<i< td=""><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td>.0</td><td>1.9</td><td>.0</td><td>22-33</td><td>•0</td><td>.0</td><td>1.9</td><td></td></i<>	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	22-33	•0	.0	1.9	
<1 1=2	.0	3.2	1.9	.0	0.	.0	.0 5.1	.0	1.9	5.6	22-33	•0	.0	1.9	
<1 1=2 3=4	.0	3.2 1.4	.0 1.9 5.1	.0	0.0	.0	.0 5.1 5.5	.0 .0 1.9	1.9 6.0 1.9	5.6 9.7	.0	•0	.0	1.9 11.6 13.4	
<1 1=2 3=4 5=6	.0	3.2 1.4	,0 1,9 5,1 1,9	.0	.0 .0 .0	.0	.0 5.1 5.5 1.9	.0 0 1.9	1.9 6.0 1.9	5.6 9.7 3.7	22-33 .0 .0	•0 •0 •0	.0	1.9 11.6 13.4 3.7	
<1 1=2 3=4 5=6 7	.0	3.2 1.4 .0	,0 1,9 5,1 1,9	.0		.0	.0 5.1 6.5 1.9	1.9	1.9	5.6 9.7 3.7	22-33 .0 .0 .0	•0	.0	1.9 11.6 13.4 3.7	
<1 1=2 3=4 5=6 7 8=9	.0	3.2 1.4 .0	.0 1.9 5.1 1.9 1.9	.0 .0 .0 .0	000000	.0	.0 5.1 6.5 1.9 1.9	.0 .0 1.9 .0 .0	1.9	5.6 9.7 3.7	22-33	• • • • • • • • • • • • • • • • • • • •	.0	1.9 11.6 13.4 3.7	
<1 1-2 3-4 5-6 7 8-9 10-11	.00000	3.2 1.4 .0 .0	1.9 5.1 1.9 1.9	.0 .0 .0 .0	.0.00	.0	.0 5.1 6.5 1.9 1.9	.0 .0 1.9 .0 .0	1.9	5.6 9.7 3.7 .0	22-33	•0	.0	1.9 11.6 13.4 3.7 .0	
<1 1-2 3-4 5-6 7 8-9 10-11		3.2 1.4 .0 .0	1.9 5.1 1.9 1.9	.0 .0 .0 .0	.0	.0	.0 5.1 6.5 1.9 1.9 1.9	.0 .0 1.9 .0 .0	1.9	5.6 9.7 3.7 .0	22-33	•0	.0	1.9 11.6 13.4 3.7 .0 .c	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	000000000000000000000000000000000000000	3.2 1.4 .6 .0	1.9 5.1 1.9 1.9	.0 .0 .0 .0 .0 1.9	.0	.00.00	.0 5.1 5.5 1.9 1.9 .0	.0 1.9 .0 .0 .0	1.9	5.6 9.7 3.7 .0	22-33	.0	.00000000000000000000000000000000000000	1.9 11.6 13.4 3.7 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	0 3 0 0 0 0 0 0 0 0	3.2 1.4 .6 .0 .0	1.9 5.1 1.9 1.9	.0 .0 .0 .0 .0 1.9	0.0000000000000000000000000000000000000	.00.00	.0 5.1 6.5 1.9 1.9 1.9	.00 1.00 .00 .00 .00	1.9	3.6 9.7 3.7 .0	22-33	.0	.0	1.9 11.6 13.4 3.7 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22		3.2 1.4 .0 .0 .0	1.9 5.1 1.9 1.9 .0	.0	000000000000000000000000000000000000000	.00.00	.0 5.1 6.5 1.9 1.9 1.9	.00 .00 .00 .00 .00 .00	1.9	5.6 9.7 3.7 0.0 0.0 0.0	22-33	.0	.00000000000000000000000000000000000000	1.9 11.6 13.4 3.7 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	0 3 0 0 0 0 0 0 0 0	3.2 1.4 .6 .0 .0	1.9 5.1 1.9 1.9	.0 .0 .0 .0 .0 1.9	0.0000000000000000000000000000000000000		.0 5.1 6.5 1.9 1.9 1.9	.00 1.00 .00 .00 .00	1.9	3.6 9.7 3.7 .0	22-33	.0	.00000000000000000000000000000000000000	1.9 11.6 13.4 3.7 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22		3.2 1.4 .6 .0 .0 .0	1.9 5.1 1.9 1.9 .0 .0	1.9		000000000000000000000000000000000000000	.0 5.1 5.5 1.9 1.9 1.9 .0 .0	000900000000000000000000000000000000000	1.9000000000000000000000000000000000000	5.6 9.7 3.7 0.0 0.0 0.0 0.0	22-33	.0	.00000000000000000000000000000000000000	1.9 11.6 13.4 3.7 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32		3.2 1.4 .6 .0 .0 .0	1.9 5.1 1.9 1.9	1.9		000000000000000000000000000000000000000	5.1 5.5 1.9 1.9 1.9 .0		1.9	5.677.000.000.000	22-33	.00.00.00.00.00.00	000000000000000000000000000000000000000	1.9 11.6 13.4 3.7 .0 .0 .0	
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40		3.2	1.9 5.1 1.9 1.9 .0 .0 .0	1.9		000000000000000000000000000000000000000	0 5.1 6.5 1.9 1.9 1.9 .0 .0		1.9000000000000000000000000000000000000	5.77.000.000.000	22-33	.000.000.000.000.000.000.000.000	.00000000000000000000000000000000000000	1.9 11.6 13.4 3.7 .0 .0 .0 .0	
1 = 2 3 = 4 5 = 6 7 8 = 9 10 = 11 12 13 = 16 17 = 19 20 = 22 23 = 25 26 = 32 33 = 40 41 = 48 49 = 60 61 = 70		3.2	.0 1.9 5.1 1.9 .0 .0 .0 .0 .0	1.9			0 5.1 6.5 1.9 1.9 1.9 .0 .0	009000000000000000000000000000000000000	1.9	.0 5.6 9.7 3.7 .0 .0 .0 .0 .0 .0	22-33 -0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000		1.9 11.6 13.4 3.7 .0 .0 .0 .0 .0	
<1 1=2 3=4 5=6 7 8=9 10=11 12 13=16 17=19 20=22 23=25 26=32 33=40 61=70 71=66		3.2 1.4 .0 .0 .0 .0 .0	.0 1.9 5.1 1.9 .0 .0 .0 .0 .0 .0	.0			0 5.1 5.5 1.9 1.9 .0 .0 .0		1.9	5.6 9.7 3.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	22-33	.000.0000000000000000000000000000000000		1.9 11.6 13.4 3.7 .0 .0 .0 .0 .0	
1 = 2 3 = 4 5 = 6 7 8 = 9 10 = 11 12 13 = 16 17 = 19 20 = 22 23 = 25 26 = 32 33 = 40 41 = 48 49 = 60 61 = 70		.0 3.2 1.4 .0 .0 .0 .0 .0	1.9 5.1 1.9 .0 .0 .0 .0 .0	.0			0 5.1 6.5 1.9 1.9 1.9 .0 .0	009000000000000000000000000000000000000	1.9	.0 5.6 9.7 3.7 .0 .0 .0 .0 .0 .0	22-33 -0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000		1.9 11.6 13.4 3.7 .0 .0 .0 .0 .0	

3-4 1. 5-6 7 8-9 10-11 12	9 7.		.0	-	48+	PCT	TOT
1-2 3-4 5-6 7 8-9 10-11	0 32.				_		
1-2 3-4 5-6 7 8-9 10-11	0 32.				٠,	18.2	
3-4 1. 5-6 7 8-9 10-11 12			9 .0		٠.	43.6	
5-6 7 8-9 10-11					.0	27.3	
7 8-9 10-11		c 5.			.c	7.3	
8-9 10-11 12		0 1.		.0	.0	1.8	
12			0 1.8	.0	.0	1.0	
12 .			.0 .0		٠,	.0	
13-16			0 .0	.0	.0	.0	
	. 0		0 .0	.0	.0	.0	
			0 .0	.0	.0	.0	
20-22			٥ . ه		.0	.0	
			0 .0	.0	.0	.0	
76-32 .			0 .0	.0	.0	.0	
33-40			0 .0	.0	.0	.0	
41-48 .	.0			.0	.0	.0	
49-60				.0	.0	.0	
			0 .0	.0	.0	.0	
			0 .0			.0	
			٠.		. 0	.0	

PERI	វេព វេពប	VEP-ALI	1 194	9-197	3				TABLE	19											
					PPRCENT	FRE	UENCY D	FAV	E HE10	HT (F	r) VS (	MAVE P	EP100	(SECON	053						
PERITO	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23+25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.6	27.6	26.6	2.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	52	2
6-7			6.3	1.3	2.5	1.3	ij	.0	.0	.0	:0	.0	. č				.õ	.õ	, o	11	4
8-9	.0		2.5	Ü,		.0	2.5	1.3	.c	.ò	.0	.0				.0	.0	.0	. 0	5	7
10-11			1.3	3.8	ŏ	.0	0	.0	.0	.ŏ	.0	.0					.0	.0	.0	5	4
12-13			1.3		.ō	.0	.0	.0	.0	.0	10	.0	.0				.0	.0	.0	1	3
>13	. 1			.0	,ò	.0	.0	.0	.0	.0	.0	.0	.0			٥,	.0	.0	.0	0	
INDE			1.3	.ŏ		.0	1.3	.0	.ŏ	ĬŎ	.0	.0				.0	. o	.o	.0	5	3
TOTAL		25	31	• • • •		• • • •		• • •	0			10	```		0	۵		'n	٥	79	3
PCT	11.4	31.4	39.2	7.6	3. 6	1.3	3.6	1.3	.č	.ŏ	.ŏ					.ŏ	.ŏ		.ŏ	100.0	•

•	•	••	 ١v

		1851 0003 CHUD, COALS
PERIODI (PRIMARY) 1878-1973 (OVER-ALL) 1855-1973	TABLE 1	AREA 0003 SUNDA STRAIT 5.65 104.7E
	******** ********** **	NA A.A.C.

				•											
			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	PAIN	RAIN Shur	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	POG 40 PCPN	FOG WO PCPN PAST HR	SHOKE		
N	5.7	10.0	.0	.0	.0	.0	.0	15.7	5,7	10.0	.0	.0	•0	.0	74.3
HE	.0	۰.	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	•0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	100.0
SE	20.0	.0	.0	.0	.0	.0	.0	20.0	20.0	20.0	.0	.0	.0	•0	40.0
S	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	100.0
Šw	13.6	.0	.0	.0	.0	.0	.0	13.6	•0	1.7	.0	.0	•0	•0	84.7
¥	9.8	7.7	.0	.0	.0		.0	17.5	2,8	4,9	.0	.0	•0		77.6
ÑW	9.7	3.2	.0	٠	.0	.0	.0	13.0	4.3	1.2	.5	.0	.0	.0	73.5
VAR	.0	. 0	. 0	.0	.0	.0	. C	.0	.0	.0	• 0	.0	.0	.0	.0
CALM	7.1	14.3	.0	.0	.0	.0	•0	71.4	7.1	28.0	•0	.0	•0	.0	42.9
TOT PCT TOT CBS:	8.8	5.4	.0	.0	•0	•0	•0	14.3	4.1	3.8	•0	•0	•0	•0	74.1

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	NONS	OTHER FRZN PCPN	HAIL	PCPN AT OB TIMP	PCPN PAST HOUR	THDR LTMG	FOG HO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	13.8 4.4 .0 16.7	6.9 6.7 2.6 4.8	.0 .0 .0	.0	.0	.0 .0	•0	20.7 11.1 2.6 21.4	3,4 .0 5,3 7.1	10.3 .0 7.9 16.7	.0 .0 .0	.0 .0 .0	•0	.0 .0 .0	65.5 88.9 84.2 59.5
TOT PCT TOT OBS:	8.4 154	5.2	.0	.0	•0	•0	•0	13.6	3.9	9.4	•0	.0	•0	•0	75.3

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

PIG CHM	0-3			EØ (KNI 22-33		48+	TOTAL DBS	PCT FREQ	MEAN SPD	90	n <b>3</b>	06	HOUR 09	(GMT)	15	18	21
N NE E Se S	1.5 .9 1.6 1.4 1.2	5.9 3.8 2.4 2.8 2.3	1.9 .4 .5 .4 2.0	.0	.0	.0		9.8 5.0 4.5 4.7 3.8 9.4	8.6 6.1 5.3 5.9 5.4 7.6	13.4 4.1 5.3 5.6 2.9 4.3	12.5 6.3 18.8 .0	9.3 7.5 5.3 3.8 2.7	7.3 6.1 2.3 6.1 6.5	8.8 4.1 6.2 4.5 2.9 15.5	•0	10.1 4.4 1.7 4.6 4.1 9.9	9.8 3.1 5.3 4.5 5.0 9.2
NW VAR CALM TOT DBS TOT PCT	2.6 2.4 .0 3.2 238 21.0	12.6 15.9 .0 586 51.8	7.7 10.7 .0 248 21.9	1.7 2.6 .0 55	.2 .2 .0	•••	1132	22.8 31.8 .0 8.2	10.0	20.4 38.7 .0 5.3 170 100.0	37.5 12.5 .0 .0 4	22.0 33.7 .0 7.6 275 100.0	27.5 30.2 .0 3.1 131 100.0	25.0 24.5 .0 8.5 165 100.0	33.3 3100.0	20.4 31.1 .0 13.7 205 100.0	23.5 30.7 .0 8.9 179 100.0

					*44	LE 34						
WMD DIR	0~6	#IND 7-16	SPEED 17-27	(KNUTS) 28-40	41+	TOTAL DBS	PCT PREQ	MEAN SPD	00 03	HDU1 06 09	12 12 15	18 21
N	4.3	4.5	1.0	•	.0		7.1	8.6	13.4	8.6	8.6	10.0
NE	3.>	1.5		•0	.0		5.0	4.1	4.2	7.0	4.0	3.8
NE E	3.3	1-1		•0	.0		4.5	5.3	5.6	4.3	6.1	3.4
54	3.2	1.4	.1	.0	.0		4.7	5.9	5.5	4.6	4.5	4.6
5£	2.9		.1	.0	.0		3.8	5.4	2.9	3.9	2.4	4.6
Św	5.2	3.9	.3		.0		9.4	7.6	4.5	7.1	15.2	9.6
v.	7.9	11.4	3.1	.3	•1		22.0	10.0	20.8	23.8	24.6	21.8
Ñij	9.5	15.8	5.4	.,			31.6	10.9	38.1	32.6	25.3	30.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALH	1.2		• • •	•-			8.2	.5	5.2	0.2	8.9	11.5
TOT ORS	343	458	118	12	1	1132		8.3	174	406	168	384
TOT PCT	48.0	40.5	10.4	1.1	· i	••••	100.0	•••			100.0	

£	E	R	U	۸	٠

PERIODI	(PRIPARY)	1878-1973
	(CVER-ALL)	1855-1073

T	48	E .	4

AREA 0003 SUNDA STRAIT 5.65 104.7E

PFRCENTAGE	PREQUENCY	CF	HIND	SPEED	BY	HILLIE	(CVT)

HOUR	CALH	1-3	4-10	wind 11-21	SPEED (		48+	MEAN	PCT FREG	TOTAL
00603	5.2	12.6	50.6	24.7	6.3	.6	.0	9.1	100.0	174
06609	6.2	14.3	51.0	23.2	5.2	. 2	.0		100.0	406
12615	8.9	11.3	53.6	72.6	3.6	.0	.0		100.0	168
10621	11.5	12.0	52.3	19.0	4.4	. 8	. 0		100.0	384
101	93	145	586	248	55	Š	0	8.3		1132
PCT	8.2	12.8	51.8	21.9	4.9	. 4	. 5		100.0	

TARLE 5

TABLE 6

								14755										
P	PCT FREC OF TOTAL CLGUD AMQUINT (EIGHTHS) BY MIND DIRECTION MEAN							PERCENTAGE BPEQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
WND DIR	0-2	3-4	5-7	8 & nBSC0	TETAL CBS	MEAN CLOUD COVER	000 149	150 299	300 599	939 600	1000	2000 3499	3500 4999	5000 5499	6500 7999	8000÷	NH <5/8 ANY HGT	
N	.0	2.5	5.3	6.2		6.5	•0	•0	.0	2.0	2.2	1.1	2.0	1.1	•0	•0	5.6	
NE	.0	2.5	1.1	.0		3.9	•0	.0	. 0	.0					.0	.0	3.7	
E	.0	2.0	1.1	1.1		5,6	•0	• • •	.0	.0	1.1	.0	1.1			.0	2.0	
ŠE	.0	1.1	.0	2.2		6.6	•0	.0	·	.5		š	i.i	• 0	.ŏ	.0	2.2	
Š	1.1	.0	2.0	•0		4.8	• 0	•0		. 0		.8		.0	.0	.0	2.2	
Ša	.0	1.7	4.8	2.0		5.9	•0	.0	. 0	.0	1.7	.3	.0	•0	•0	•0	6.5	
a i	. 0	1.7	19.7	0.4		5.5	•0	.0	.0	3.1	5.1	3.1	ě	•0	.ŏ	.0	9.6	
Nel	.0	3.1	13.2	13.8		6.8	•0	•0	ě	2,8	4.5	1.4	2.5	.0	.ŏ	.0	18.8	
VAR	.c	.0	.0	•0		•0	•0	•0	.0					.0	·ŏ	.0		
CALM	3.4	3.4	•0			5.0	• 0	•0	.0	1.1	2.2	1.1	٠.			-	<b>-</b> •0	
TOT TES	4	16	34	35	40	6.2	ĭŏ	ີ່ວ	• 0	•••	15	**;	• 0	•0	•0	• ?	7.9	89
TOT PCT	4.5	16.0	39.2	39.3	100.0	•••	•ŏ	۰ó	.ŏ	9.0	16.9	7.9	6.7	1.1	•0	•0	52 56.4	100.0

TABLE 7

## CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	.)			
CEILING	= CR	• CR	= OR	• PŘ	• 58	- OR	• 7R	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0	•0	.0	.0	.0	.0	•0	.0
<ul> <li>OR &gt;5000</li> </ul>	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<ul> <li>DR &gt;3500</li> </ul>	5.5	1.1	9.6	1.1	8.8	8.5	8.8	8.8
■ DR >2000	11.0	16.5	16.5	16.5	16.5	16.5	16.5	16.5
<ul> <li>OR &gt;1000</li> </ul>	23.1	30.8	33.0	33.0	33.0	33.0	33.0	33.0
• DR >600	30.8	39.6	41.8	41.8	41.8	41.8	42.9	42.9
■ DR >300	90.8	39.6	41.8	41.8	41.8	41.8	42.9	42.9
■ DR >150	30.8	39.6	41.8	41.0	41.6	41.8	42.9	42.9
• DR > 0	30.8	39.6	41.8	41.8	41.8	41.8	42.9	42.9
TOTAL	28	36	38	36	34	38	39	39

TOTAL NUMBER OF OBS: 91 PCT FREQ NM <5/81 57-1

## TABLE 7A

### PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

CBS	OBSCD	8	7	6	5	4	ż	2	1	c
98	.0	15.3	8.2	10.2	8.2	6.1	19.4	16.3	15.3	1.0

							FFB	RUARY						
PERIOD: (PRIMARY) 1 (OVER-ALL) 1							TA	PLF 8				ARE	A 0003	SUNDA STRAIT 5.65 104.7E
		PE	RCENT						UPPENC ALUES				E OF	
VSBY (MN)			hê	Ε	SE	s	Sw	¥	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP NO PCP TOT %	.0	.0	•0	•0	•0	•0	•7 •0 •7	•0	•0	•0	.7 .c .7		
1/2<1	PCP NO PCP TOT \$	.0	.0	.0	•0	•0	•0	.0	.0 .0	0.0	•0	.0		
1<2	PCP NO PCP TOT %	.c	.0	.0	.7 .0	•0	.0 .0	•0	.0	.0	•0	.7 .0 .7		
2<5	PCP ND PCP TCT \$	.¢ .7 .7	•0	.0	.c .o	•0	•3 •7 1•0	.3 .7 1.0	.7	.0 .0	•0	1.4 2.0 3.4		
5<10	PCP NO PCP TOT %	3.4 4.1	2.7 2.7	.0	.0 .7 .7	•0 •7 •7	.0 1.0 1.0	2.2 3.9 6.1	3.2 7.3 10.5	.0	1.4 2.0 3.4	7.5 21.8 29.3		
16+	PCP NO PCP TOT %	1.2 6.0 7.1	1.0 1.0	.0 3.1 3.1	.0 2.0 2.0	.0 1.9 1.9	1.0 7.0 8.0	1.0 15.5 16.5	20.1 20.2	.0	.7 5.4 6.1	4.1 61.9 66.0		

TOT DAS TOT PCT 11.9 3.7 3.1 3.4 2.6 10.0 24.3 31.9 .0 9.5 100.0

TARLE 9

			1						VS WII ISIBIL		En		
VSBY (NH)	SPO KTS	N	٩E	E	SE	s	Sw	•	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	. 0	.0	.0	.0	. 3	. 2	.5	.0	.0	• • • •	. 9	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		٥.	
	22+	.0	.0	•0	.0	۰0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	•0	.3	.2	.5	.0	.0	٠.	.9	
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-2	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	•0	.0	.0	•0	.0		.0	
	TOT %	.0	.0	٠.	•0	•0	.0	.0	•0	.0	.0	.0	
	0-3	.0	•0	•0	•0	.0	.0	.0	•0	.0	- 0	.0	
1<2	4-10	.3	.0	•0	.3	.0	٠,	.2	. 3	.0		1.2	
	11-21 22+	.0	٠,٥	•0	•0	.0	.0	.0	.0	.0		•0	
	70T %	.0	٠,٥	•0	•0	•0	.0	.0	• 2	٠.	_	0	
			•0	•0	.3	•0	.2	.2	. 3	.0	.0	1.2	
• • •	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	•0	.0	
2<5	4-10 11-21	.5	•0	•0	•0	•0	.5	.3	. 3	.0		1.5	
	22+	.0	•0	•0	•0	•0	٠2	٠2	.0	.0		.3	
	TOT %	.0	.0	•0	•0	•0	.0	.3	.3	•0		7.6	
				••	•0	•0			.0	.0	•0	2.4	
	0-3	.0	.3	•0	•0	.0	.0	.9	.9	.0	1.5	3,6	
5<10	4-10	2.1	. 9	.0	.3	.3	.6	2.0	3.4	.0		9,7	
	11-21	.3	٠.	.0	•0	•0	.0	1.0	2.9	.0		4.2	
	22+	.0	.0	•0	•0	•0	.0	.0	.0	.0		0	
	TOT %	2.4	1.2	•0	,3	.3	.6	3.9	7.3	•0	1.5	17.5	
	0-3	1.2	. 5		1.2		1.1	1.6	2.6	.0	9.1	18.7	
10+	4-10	4.5	2.0	2.3	1.8	1.7	6.0	10.2	16.2	٠.٥		44.7	
	11-21		.3	•0	.0	.0	1.7	4.5	6.9	.0		14.2	
	22+	.0	0	.0	0	.0	.0	0	3	•0		3	
	TOT \$	6.5	2.7	3.0	3.0	2.5	8.8	16.2	26.1	.0	9.1	77.9	
	OT DES	9.7	3.9	3.0	3,6	3.1	10.3	21.5	34,2	.0	10.6	100.0	331

•	•	A	• •	٠	-	•

PERIOD:	(PRIMARY)	1878-1973
	(DIFR-ALL)	1854-1973

TABLE 10

AREA 0003 SUNDA STRAIT 5.63 104.7E

BCCURRENCE OF NH <5/8 BY HOUR	G HEIGHTS (FEET,NH >4/8) AND NH <5/8 BY HOUR	
-------------------------------	-------------------------------------------------	--

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	200u 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	H <5/8 ANY HGT	TOTAL OBS
00603	. 3	.0	.0	8.3	12.5	4.2	16.7	.0	.0	•0	41.7	58.3	24
90360	.0	.0	.0	8.3	20.8	.0	.0	.0	.0	•0	29.2	70.8	24
12615	.0	.0	.0	11.5	7.7	15.4	7.7	.0	.0	•0	42.3	57.7	26
18621	.0	.0	.0	9.1	22.7	9.1	4.5	4.5	.0	•0	50.0	50.0	22
TOT	0	0	.0	9.4	15 15-6	7.3	7.3	1.0	0	0	39 40.6	57 59.4	96 100.0

TABLE 11

746LE 12

		PERCENT	FREQUEN	CY VSB1	( (4M)	ay Hour		CUMULAT					VSBY (NH)	AND/OR
HDUR (GHT)	<1/2	1/2<1	142	2<5	5<10	10+	TOTAL DRS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AN' 5+	TOTAL DBS
00603	1.6	.0	3.2	1.6	17.7	75.8	62	00403	•0	.0	14.3	33.3	52.4	21
06609	.0	.0	.0	1.0	18.8	80.2	101	90360	.0	.0	8,3	20.8	70.8	24
12615	1,6	.0	1.6	4.8	15.9	78.2	63	12615	٠,	4.0	16.0	28.0	56.0	25
18621	.9	.0	.9	2.7	16.8	76.8	112	18621	.0	.0	9.5	42.9	47.6	21
TOT PCT	.9	.0	1.2	2.4	61 18.0	262 77.5	338 100.0	TOT PCT	.0	1.1	11	28 30.8	52 57.1	91 100.0

T'8LF 13

TABLE 14

	PERC	ENT FR	EQUENC	Y UF R	ELATIV	E HUMI	DITY 8'	Y TEMP	TUTAL			PIRC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EHP	
TEMP F	0-29	30-39	40-49	50-59	40+69	70-79	50-89	90~100		PCT PREQ	N	NE	E	3E	S	SW	W	NW	VAR	CALM
90/94	.0	٠.	.0	•0		,,	.0	.0	1	.9	.0	.0	.0	.0	.0	.2	.7	.0	.0	.0
85/89	.0	.0	.0	.0	1.8	1.8	3.6	. 9	9	8.1	. 9	.5	1.4	.0	.0	1.8	2.7	.0	.0	. 9
85/89 80/84	.0	.0	.0	.0	.0	29.7	35.1	5.4	78	70.3	6.3	3.6	1.8	3.6	2.5	7.2	16.2	20.9	.0	8.1
75/79	.0	.0	.0	.0	.0	. 9	10.8	9.0	23	20.7	4.7	. 9	.0	.9	. 9	2.0	4.3	7.0	.0	.0
TOTAL	0	0	0	0	, ,	37	55	17	111	100-0										
PCT	.0	.0	.0	•0	1.5	33.3	49.5	15.3	•••		11.9	5.0	3.2	4.5	3,4	11.3	23.9	27.9	.0	9.0

TABLE 15

(

(

TABLE 16

	MEANS,	EXTREM	FS AND	PERCEN	TILFS	OF TE	4F (DE	G F) B	Y HOUR	
HOUR (GHT)	MAX	994	75%	50%	51	1 %	MIN	MEAN	TOTAL OBS	HUU!
00103	\$7 91	85 90	84 87	81 83	77 78	75 75	74 74	80.7 82.7	170 392	300
12615 18621 TOT	88 87 91	87 85 89	86 86	82 81 82	78 77 77	75 75 75	73 73 73	81.8 80.6 81.5	169 378 1109	12£ 10£ 70

PERCENT PREQUENCY OF RELATIVE HUMIDITY BY HQUR

HUUR 0-29 30-59 60-69 70-79 80-89 90-100 HEAN TOTAL
(GHT)
100603 .0 .0 .0 18.2 63.6 18.2 85 22
006209 .0 .0 5.9 50.0 35.3 8.8 79 34
12215 .0 .0 .0 35.7 57.1 7.1 82 28
18621 .0 .0 .0 20.7 51.7 27.6 85 29
TOT 0 0 2 37 57 17 83 113

PASE 168

()

FEBRUARY

PERIOD: (PRIMARY) 1878-1973 (OVER-ALL) 1855-1973

AREA 0003 SUNDA STRAIT 5.65 104.7E

PCT FRFQ GF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOC (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

IR-SEA	73	77	81	85	89	TOT		WD
MP DIF	76	80	84	88	92		FÜG	FOG
6	.0	•0	.0	.0	٠.	1	• 0	
4	.0	.0	.8	.8	. 6	3	.0	2.3
3	. 6	.c	1.6	3.	3.		. 0	3.1
3 2		.0	2.3	1.6	. 0	5	٠'n	3.9
ī	.0	.0	5.5	2,3	.0	10	.0	7.8
i	.0	. 3	18.6	. é	,ñ	26	. 0	20.3
	.0	6.3		٥٠	.0	31	.5	24.2
-1 -3 -4 -5	.0	3.9	8.6	.,		16	.,	14.5
- 2	.0	3.9	3.9	ő	.0	ič	.0	7.8
-3								
-4	2.3	4.7	2.3	•0	.0	12	•0	9.4
-5	١.	3.9	.0	•0	.0	6	•0	4.7
-6	٠.	1.6	٠.	.0	.0	2	• 0	1.5
-7/-8	.0	.8	, ú	.0	. 0	2	.0	1.0
TOTAL	4		9.0		3		9	128
		23		6		128		
PCT	3.1		<b>62.5</b>	5.3	2.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIPECTION VEPSUS SEA HEIGHIS (FT) 22-33 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
40-60
61-70
71-86
47-80
FCT 1-3 1-3 HGT
<1
1-2
3-4
5-6
7
tu-7
10-11
12
13-16
17-19
23-25
26-32
33-0
41-88
49-00
61-70
71-86
67-77
TOT PCT 4-47 

PER 100:	(DVE	R-4LL)	1963-1	1973					FEBRUARY							
		,	.,,,,	••••				TABLE	18 (CONT	"			AREA	0093	SUNDA 5	TRAIT
				۶۵	T FREC	OF KIND	»PFEC	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT	,		
HGT	1-3	4-10	11-21	5 2/-33	34-47	46+	PLT		.=3	4-10		SW				
<1	.0	.0	•0	.0	.0	.0			,	.0		22-33	34-47	48+	PCT	
1-2	٠,	.0	.0	.0	.0	.0	.0		ò	2.5		•0	•0	.0	0.0	
3-4	• 2	.0	•0	.0	.0	.0	.0		.0	2,5		.0	.0	.0	7.0	
5	.0	.0	•0	٠0	.0	•0	.0		'n	0		.0		.0	7.0	
. 7	٠.	.0	•0	.0	.0	•0	.0		.0	.0		.0	·ŏ	.0	.0	
8-9 10-11	.0	.0	.0	.0	۰0	-0	.0		, 0	. 0		.0			.0	
12	.0	.0	• 0	.0	.0	• • •	•0		.0	.0		.0	.5	.č	ě.	
13-16	ě	.0	•0	٠,٥	.0	• 3	•0		.0	.0		.0	• 0	.0	.0	
17-19	.č	.0	•0	.0	•0	.0	•0		.0	•0		-0	•0	.0	.0	
20-22	.ŏ		•0	.0	.;	•0	• •		•6	• 0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	•0		•6	.0		.0	•0	٠.٥	.0	
26-32	.5	.č	.0	• • •	.0	.0	.0		,0	• "		•0	•0	٠.	٠0	
33-40	٠.٥	.0	.0	.ŏ	.0	.,	.0		.0	.0	.0	•0	•0	.0	.0	
41-48	.0		.0		.0	.0	.5		.0	.0		•0	.0	٠Ç	.0	
49-60	. 3	.0	.0	.0	.0	.0			ě			.0	•0	٠.	.0	
b1-70	٠.	.0	.0	.0	.0	•0	.c			٥٠	:0	٠.	•0		.0	
71-86	.c	.0	• 2	. 2					ň	ŏ	.0	.0	•0	٠,٥	.0	
87+	.0	.0	•0	.3	.0	.0	.0		. 0	ő		.0	•0	.0	.0	
TOT PCT	• າ	.0	•0	•0	.0	-0	•0		.0	5.0	6.5	.5	·c	:0	11.5	
				ia .								Ny				
HĢT	1-3	4-10		22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48.	PCT	TOTAL
a a	.0	.0	•0	-0	.0	-3	• (		9.	2.0	.0	.0	.0	.0	7.0	PCT
1-2	.0	3.5	2.0	٠,	• 2	.0	5.5		.0	9.0	.0	.0	.0	.0	4.0	
3-4 5-6	.0	7.5	7.0	•0	• ?	٠.	14.5		•0	4.0	3.C		20	.0	7.0	
770	ě	.0	•0	.0	.0	.0	•0		.0	4.5	2.5	·č	•0	.0	6.5	
8-9	٥٠		•0	.0	.0	.0	•0		•0	•0	2.0	•0	• 0	.0	2.0	
10-11	.0		.0	.0	.0	•0	.0		• 2	• • •	• ?	.0	• 9	.0	.0	
12	.5		.ŏ	.0	.,	٠.	٥.		:2	.0	• 0	.0	•0	.0	.0	
13-16	.0	.0	.0	.0	.6	ě	:5		.0	.?	•5	•0	•0	•0	•0	
17-19	.0	. 3	•0	. 0	5.				.5	.0	.0	•0	•0	-0	,0	
20-22	.0	.0	• 9	.0		•0	:0		٥٠	.0	.0	•0	• • •	.0	• •	
23-25	• 2	.0	,0	.0		•0			Š	ő	.0	•0	•0	٠.	.0	
20-32	.0	.0	• ?	. 0	.0	.0	.0		ຳ	, ó	.0	.0	•0	.0	.0	
33-40	.0	.0	.0	• 2	.0	.0	•0		.0	.0		.0	.0	.0	•0	
41-48	•0	•0	•0	.0	.0	.0	.0		.0		.0		.0	.5	•0	
49=60 61=70	٠ç	.0	•0	.0	.0	.0	.0		• 5	.0	Š		.0	:5	.0	
61-70 71-86	.0	.0	.5	•0	.0	• 9	•0		•0	.0	.0	.0	.0	.5	:0	
87+		.0	•0	•0	.0	•0	.0		٠.	.0	.0	.0	•0	.0		
TOT PCT	.0	11.0	••	•0	.0	•0	2•		•0	.0	.0	.0	•0	.0		
, J1 PC1	••	11.0	9.0	•0	• 2	•0	20.0		•0	19.0	7.5	•0	. 0	.0	26.5	44.0

	#140	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	C-3	4-10	11-21	22-33	34-47	43+	PCT	TOT
<1	18.0	5.0	.0	.0	.0	.0	24.0	085
1-2	.0	30.0	4.0	.ó	.0	.ŏ	34.0	
3-4	٠.	15.0	16.0	. 0	.6	.0	32.0	
5-6	.0	4.0	4.C	.0	ŏ	ő	8.0	
7	.0	.0	2.0	ě		ň.	2.0	
6-9	.0	.5	٥.	٥	.,	.,		
10-11	.6		.0	ő	.0		٠.	
12	.ŏ	ě	.0			.0	•0	
13-16	.c	.0			.0	.5	.0	
17-19			.0	.0	• •	•0	.0	
	.0	•0	٠.	٥٠	.0	.0	٠.	
50-55	•0	• 0	•0	.0	•0	•0	-0	
23-25	.0	•0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	•0	.0	.0	.0	•0	.0	
49-00	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	. 0	. 0	.0		
71-86	.0	.0		.0	.0	.ŏ	:ŏ	
87+	.0	.0	.0	.0	.0		ö	
	• • •			••	••		••	••
TOT PCT	15.0	\$6.0	26.0	.0	.0	. 0	100.0	50

PERIODI (OVER-ALL) 1949-1979

TABLE 19

PROCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-1i

PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 16-A 16-A .0 5.5 .0 1.4 .0 2.7 .0 .0 2.7 .0 14 19 19-2 26-0 6.8 .0 .0 .0 .0 .0 .13.7 15 20.5 6.8 6.8 4.1 .0 .0 1.4 .0 .0 2.7 2.7 .0 .0 .0 .0 .0 1.4 .0 .0 2.7 1.4 1.4 2.7 .0 .0 6 .0 34 .0 13 .0 7 .0 2 .0 4 .0 1 .0 12 .0 73

PAGE 170

Ç

(

PERIOD: (PRIMARY: 1870-1969 (DVER-ALL) 1809-1969

> #35# (C41)

TABLE 1

AREA 0003 SUNDA STRAIT 5.65 104.8E

.0 80.5

PEKCENT	FREQUENCY	26	4FATHER	BECURRENCE	SY	PIND	DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	*EATHER	PHEND	HENA	
HND DIR	82.8	AT LO Swar	7875	FRIG PCPN	*CNS	OTHER FRZIA PCPN	44!	DB FIRE	PCPN PAST	THOR LTMG	OC N	FUG NO PSPN PAST HR	SMOKE		
5.	ā	3.0	2.0	.0	.0	.0	ء ۽	13.1	•0	9.1	4.0	.0	.0	.0	73.7
NE	5.5	5.6	٠,	.0	.0	.0	.:	11.3	5.6	19.7	.0	.0	.0		63.4
£	٠.	. )	10.5	٠,٥		.0	.c	:0.5	.0	.0	.0	. 5	.0		19.5
SE		.0	٠.	.0		.0	.c	4,4	.0	8.9		.0	•0		91.1
S	1.5	5.6	.0	.0	.0	.0	.c	14.1	.0		2.6	.0	.5	:0	8 1
5 k	5.6	6.0	.0	.õ	.0	.0	.c	11.6	.0	.5	• . 9	٥	3.7	Š	23.7
•	5.5	9.2	. 6	.0	• •	.0		13.7	8.7	4.4		ě			
Ñ.	4.7	3.6	1.2					5.9	7.1		٥.		• • •	• 2	73.2
VAR		, o		.0				3.6		• •		•0	•0	• ?	63,4
CALM			-							.0	.0	•0	•0		. 0
(20-	.0	12.5	.0	.0	-0	. c	• •	12.5	•0	12.5	• •	•0	•0	.5	75.0
701 PC* TOT CBS:	5.4 242	5.0		.0	٠٥	.0	.0	11.2	3.3	4.5	.5	.0	. 6	.0	79.8

TARLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

		P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDI	MENA	
RAIN	PAIN SmaR	CR7L	PRZG PCP4	SNUW	OTHER FPZN PCPN	HAIL	PCPN AT 35 TIME	PCPN PAST HOU!	THOR	FDG 40 PCPN	FUG WD PCPN PAST HR	SHOKE PLAN	SPRAY BLWG DUST PLWG SNOW	
5.9 3.3 3.3 5.2	5.8 1.7 4.9 2.7	2.9 .0 .0	.0	.0	.0	.0	17.6 5.0 8.2 11.0	5.9 .0 1.6 4.1	.0 .0 4.9 11.0	.0 1.7 .0 2.7	.0	.0 1.6 1.4	.0 .0 .0	76. 93. 83.

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3		11-2'		075) 34-47	48+	TOTAL Das	PCT FRFQ	PEAN SPD	on	03	96	43UR 09	(G#1) 12	15	16	21
N	1.6	5.2	1.7			.0		8.5	7.5	9.5	5.6	8.9	8.0	• •	14.		
NE	. 6	3.9	1.0	.0				5.7	7.1					7.9	16.7	1.3	9.1
						• •				5.7	11.1	8.8	4.3	5.6	16.7	4.1	3.2
Ξ.	1.4	4.3	1.3	. 1	• (	•0		7.1	7.3	8,9	•0	9.2	2.8	6.4	.0	6.4	7.1
SE	2.1	6.1	1.1	. 1	.0	٠.٥		9.5	6.5	7.8	22.2	9.0	7.2		8.3	7.5	12.0
•	1.1	3.7	. 5		.0	.0		5.3									
Š₩									6.5	6.3		3,5	.0	4.5	8.3	6.5	5.1
	1.0	7.2	2.7	. 5	•0	•0		12.3	6.7	15.4	19.4	8.9	11.2	12.6	8.3	15.0	12.3
W	1.7	10.9	5.8	1.3	٠,	.0		19.7	10.0	16.3	30.6	16.9	29.7	22.7	41.7	19.3	
Nw	1.8	12.7	7.4	1.3	.1	.0		23.4	10.1								
VAR										25.8	11.1			20.9	•0	19.4	27.2
	.0	.0	•0	.0	•0	•0		.0	•0	•0	•0	.0	•0	.0	.0	.0	•0
CALM	8.4							1.4	:0	4.7	•0	11.3	2.2	6.6	.0	13.4	
TOT CBS	281	732	290	43	2	c	1353		7.9	193	• • •		138	211			
TOT PCT	20.8	54.1	21.4	3.5	:		.,,,								. 6	246	
101 701	20.0	34.1	21.4	3.7	• 4	0 ،		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TARI	£	24

WND OIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	+1+	TOTAL 085	PCT FREQ	MEAN SPD	00 03	40UF 00 09	12 13 15	18 21
	4.5	3.6	.4	.0			8.5	7.5	9,3	8.6	8.2	8.2
NE	3.1	2.5	. 1	•0	.0		5.7	7.1	5.9	7.5	5.9	3.7
£	4.0	2.7	. 4	.0	.0		7.1	7.3	0.2	7.4	6.2	6.7
5E	6.0	3.1	.4	.0	.0		9.5	6.6	8,4	8.5	12.7	9.6
<	3.3	1.9	• 1	.0	.0		5.3	6.5	6.1	4.6	4.6	5.9
< W	5.3	5.8	1.0	ž	.0		12.3	8.7	15.6	9:6	12.4	13.8
ъ	7.1	9.6	2.9	• 1			19.7	10.0	17.0	20.6	23.3	18.3
M.M.	7.9	12.0	3,1	ž	ii		23,4	10.1	25.1	24.4	20.3	22.9
VAR	.0	.0	•0	•5	. 0		.0	٥.			0.0	.0
CALH	8.4			••			8.4	.0	4,5	8.7	6.5	10.9
TOT DAS	671	557	115	8	2	1353	•••	7.9	202	484	217	450
TOT PET	49.6	41.7	8.5	. 6	.ī		100.0	•••			100.0	100.0

							PARCH					
PERIODI (PRIMARY) (DVER-ALL)							TARLE				AREA O	SUNDA STRAIT
			PER	CENTAGE	FREQUE	ENCY CF	WIND S	PEFD BY	HOUR	(SPT)		
	нОтн	CALM	1-3	4-10			(KNNT5) 34-47	48+	HEAN	PCT FREQ	TOTAL DSS	
	00603 0040	4.5	13.4	55.9 54.8	21.8	4.5	.2	:0	7.7	100.0	202 484	
	12615 18621 707	10.9	12.0 10.2 167	57.1 51.1 732	21.7 24.4 290	2.8 3.1		.0		100.0	217 450 1353	
	PCY	1.4	12.3	54.1	21.4	3.5	.1	٠.٥		100.0	1,,,,	
	TARLE	5									TABLE 6	

			Ŧ	ARLE 5								T	BLE 6					
P	CT FRE			CLOUD A		(EIGHTHS)		;					CEILIN NH <5/					
MHD DIE	0-2	3-4	5-7	a C nasco	TOTAL CBS	CUOUD	000 149	15n 290	300 490	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH €5/8 ANY HGT	TOTAL
N	.6	2.4	6.9	. 8		5.3	•0	٠.	.0		1.6	.6	.0	.0	•0	.0	7.7	
NE	3.4	1.8	1.8	1.6		4.0	.0	.0	.0		1.6	•0		.0	.0			
E	.0	1.4	2.0			5.3	•0	. 6	. 0	.0			ij		.0	.0	2.6	
ŠE	4.0	1.6	3.8			4.2	.0	.0	.c		1.6	.2	.ŏ		•0		9.3	
Š		1.2	2.6	9.		4.4	•0	.0	ě	.0			. 6	.0	•0	.0	3.2	
Sw.	4.8	6.0	6.7	1.8		4.1	•0	•0			2.2	3.2		.0			12.7	
ū	.0	1.6	11.1	5.4		6.6		.0		1.6	4.4	2.2	1.4	.0				
ŇW		4.8	6.7	5.6		5.9	.0	·č	.0	3.2	3.4	1.2	i.c		•0	•0		
VAR	.c	.0	· c				.0	•0	.0					•0	•0	.0	12.1	
	:.0					-			-	•0	.0	•0	.0	• 0	•0	.0	•0	
CALM	*20	.8 27		. 8 23		4.6	•0	•0	•0	•0	.0	. 8	.c	•0	•0	•0	3.2	
TOT OBS			. 56		126	5.1	1	0	0	٠	19	12	5	0	0	9	80	126
TOT PCT	15.9	21.4	44.4	:8.3	100.0		. 6	•^	.0	7.1	15.1	9.5	4.0	•0	•0	-0	43.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTAMEOUS OCCURRENCE OF CEILING MEIGHT (MM )4/8) AND VSBY (MM)

				VSBY (NA	1)			
CEILING	■ GR	• UR	» DR	= CR	• CR	• GR	• CR	• DR
(FEET)	>10	>5	;2	>1	>1/2	>1/4	>5040	>0
- 7R >6500	.0	.0	.0	.0	.0	.0	.0	.0
● DR >5000	.0	.0	.0	.0	.0	.0	.0	, ò
• GR >3500	2.3	3.8	3.8	3.8	3.0	3.6	3.4	3.8
• CR >2000	8.4	12.2	13.0	13.7	13.7	13.7	13.7	13.7
• DR >1000	14.5	24.4	27.5	28.2	28.2	28.2	28.2	28.2
■ OR >600	17.6	29.8	34.4	35.1	95.1	35.1	35.1	35.1
# OR >300	17.6	29.8	34.4	35.1	35.1	35.1	35.1	35.1
<ul> <li>DR &gt;150</li> </ul>	17.6	29.4	34.4	35.1	35.1	35.1	35.1	35.1
• CR > 0	17.6	29.8	35.1	35.9	35.9	35.9	35.9	35.9
TOTAL	23	39	46	47	47	47	47	47

TOTAL NUMBER OF OBS: 131 PCT FREC NH <5/8: 04-1

# TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD TOTAL OBS

(

ſ

> TOT DES TOT PCT 10.2 7.3 3.9 9.3 7.3 22.2 18.9 17.5

> > TARLE T

.0 3.3 100.0

	PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY													
VSBY (NH)	SPO KTS	۲	NE	E	SE	S	\$M	•	NW	VAR	CALM	PCT	TOTAL OBS	
	0-3	.0	.0	.0	.0	.0	.0	٠.	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		, o		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	, ò		.o		
	22+	.0	.0	.0	.0	. c	.0	.0	.0	.0		.0		
	TOT \$	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	•0	.0	- 1	• 1	.0	.0		. 2		
	11-21	.0	•0	.0	.0	.0	.0	.0	.c	.0		۰.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	•0	•0	.0	.0	. 1	•1	.0	.0	•0	. 2		
	0-3	.0	.0	•0	•0	.0	.4	.0	.0	.0	.0	.4		
1<2	4-10	.0	٠.٥	.0	.0	.1		.7	.3	.0		1.3		
	11-21	.0	•0	•0	•0	.0	•0	. 2	.0	.0		. 2		
	22+	.0	•0	•0	.0	.0	.0	.0	.0	.0		, 0		
	TOT %	.0	•0	•0	•0	.1	.7	. 9	.3	.0	•0	2.0		
	0-3	.2	.0	.0	.0	.0	.0	•0	.0	.0	.0	. 2		
2<5	4-10	.3	.0	•	•0	• 2	- 1		.6	.0		2.0		
	11-21	٠.	.2	•0	.0	.0	. 4		.0	.0		.7		
	22+	.0	.0	•0	.0	.0	.0	.2	. 2	.0		. 4		
	TOT \$	.5	.2	.0	•0	.2	. 5	1.0	. 8	.0	•0	3.3		
	0-3	.0	.2	.4	.0	•2		.3	.0	.0	.2	2.2		
5<10	4-10	2.0	.9	. 5	.4	1.1	3.0	2.4	3.9	.0		14.2		
	11-21	. 2	•2	.0	.3	,5	1.6	1.6	1.9	.0		6.3		
	22+	.0	•0	.0	•0	•0	.3	• 1	.2	.0		.7		
	TOT %	2.2	1.3	1.0		1.0	5.7	4.4	6.0	.0	•2	23,4		
	0-3	.6	.4	• •	1.8	.6	1.2	1.3	1.9	.0	4.6	12.3		
10+	4-10	3.7	3.0	2.5	5.0	2.8	8.0	7.4	11.4	.0		46.2		
	11-21	.6	.7	• 0	• •	• •	2.0	3.0	4.3	.0		11.6		
	22+	.0	•0		0	.0	. 7	• •	•0	.0		1.1		
	TOT \$	4.9	4.1	3.0	7.2	3.9	11.9	14.6	17.0	.0	4.6	71.1		
	TOT DAS	7.6	5.6	3.1	8.0	6.1	18.9	21.0	24.1	.0	4.8	130.0	457	

* 4	r	4

PERIOD:	(PRIMARY)	1879-1969
	(3/FR-4/L)	1855-1969

TARLE 16

AREA COOR SUNDA STRAIT 5.05 104.6F

## PERCENT FREQUENCY OF CRILING HEIGHTS (FSET/NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GYT)	000 149	294 294	30C 599	600 994	1000	2000 349y	3500 4994	500C 6499	6500 7999	6000+	JATET	NH CS/8 ANY HGT	TOTAL OBS
20603	2.1	٠.	.5	8,5	17.0	10.5	5.4	• )	٠,	.0	44.7	25,3	47
99960	.0	.0	.0	4.0	20.0	4.0	.0	٠.	.0	.0	26.0	72.0	25
12615	.0	.0	.0	•0	11.9	9.5	4.8	.0	.0	.0	26.2	73.8	42
18621	٠.	.0	٠.	16.0	8.0	12.0	٠.	. :	٠,	.5	36.0	64.0	>>
77 <b>7</b> PC7	.7	.0	0	9 6.5	20	13	5 3.6	.0	,0	0	48	91	139

148: E 11

TASLE 12

		PERCENT	FRFOLEN	CY V581	(NH)	BY HOUR		SUMULAT	CEILIN	refo IG HGT	OF RAN	G2\$ UE  Y11 >4/8	1949 (44) 2054 7446	AND/OK
MOUR (GMT)	<1/2	1/2/1	1<7	2<5	5<10	10+	TCTAL CBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 55	1000+ 4000+	NH <5/8	TOTAL DBS
00603	.0	٥.	1.0	4.0	24.0	71.0	100	00003	2.2	2.2	13.3	33.3	53.3	43
90360	.0	. 0		1.6	22.2	75.4	126	90360	•0	.0	4.0	24.0	72.0	25
12615	•0	٠,	2.1	2.1	24.3	71.3	94	12615	••	.2	7.5	20.0	72.5	40
18821	.0	.6	3.2	4.5	28.0	63.7	157	18621	٠.	.0	23.6	14.3	61.9	21
TOT PCT	.0	.2	1.9	15 3.1	119	333	477 100.0	TOT PCT	. :		11.5	32	84	121

TAPLE 13

				T	APLF 1	3									TARL	E 14				
	PEPC	ENT FR	EOUENE	Y JF R	ELATIV	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PEAC	ENT FR	EQUENC	Y 37 6	IND DI	RECTIO	N SY T	EMB	
TEMP F	0-29	30-39	43-49	50-59	60-69	73-79	86-89	90-100	285	PREG	N	HĒ	£	56	S	5*	п	NW	YAR	CALY
85/89 80/84 75/79 TOTAL	.ć .o	.0	.0	•0	2.1	.0		8.6 6.4 22	115 17 140	82.1	11.4	7.7 1.4	2.1 3.9	•.7 •.9	7.7 1.4	17.5 2.3	12.3 3.4	10.5	.0	2:1 7
PCT	•0	•0	.0	•0	3.6		47.9		• • •	.,,,,,	12.7	9.8	6.1	9.6	9.2	20.5	16.1	13.2	.0	2.9

TAPLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

				· chee	****	0- 16			T NUUK		PERC	PNT PPF	Safae
HDUR (GHT)	MAX	998	95X	50%	54	1%	HIN	MEAN	TOTAL CBS	HQUR (CHT)	0-29	30-59	60-5
00203	87	86	85	61	78	75	75	81.5	202	£0300	.0	٠.১	2.
06609	93	91	89	84	79	76	73	83.8	485	90360		.3	8.
12615	87	86	ħ6	45	7.8	77	75	82.2	215	12015	. 6	.0	з.
18651	91	86	84	81	77	75	73	81.1	445	18621	.0	.0	
TOT	93	90	87	82	74	75	73	82	1347	TOT			•

TABLE 16

	PERC	FNT FRE	SUEHCA	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
£6300	.0		2,3	32.5	40.0	25.0	83	40
06209	.0	. 3	8,2	44.4	38.9	8.3	79	16
12615	.0	-0	3.2	15.5	51.6	9.7	32	21
18621	.0	.0	.0	15.4	65.4	19.2	46	33
TOT	C	٥	5	48	80	26	83	129

MARCH

PERIOD: (PRIMARY) 1879-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0003 SUNDA STRATT 5.65 304.8E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE DEGUNRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEM-ERATURE DISPERENCE (DEG F)

AIR-SEA TMP OIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	FÙG	40 FQ6
,	.0	.0	.5	٠, ٩	. 5	۰.	3	.e	1.4
4	:0	-0	. 6	, 9		. 5	3 5	.0	2.4
3	.0	•0	. 5	9	.0	.0	3	. 0	1.4
2	.0	.5	. 6	1,-	.5		6	.0	2.8
ī	.0	. 5	5.7	. 5	- 0	.0	14		6.6
ō	.0	.5		2.4	. 0	•0	34	.5	15.6
-i		1.9		. 5	.0	.0	4.5	. 5	19.3
-ž	. 5	6.2		, 5	.0	ŏ	49		23.2
-3	.0	4.7	3,7	. 5		.0	23	.0	10.9
-4		3.3	5.2	. 0	.0	ŏ	16	.5	8.1
-5	.5	3.3	7.5	٠٥				.6	3.0
-6		.5	.5		.5	č	1	.5	.,
-7/-8	•••				.ŏ		Ė		
	. 5	1.4	.0	•0	.0	.0	4	.0	1.9
JATOT	1		143		1			3	208
		48		17		1	211		
DC :	. 5	22.7	6/.8		. 3	. 4	100.0	1.4	98.4

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

				PC	T FREG T	F WIND	SPEED	(KTS) AND I	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10		. YE	24-47	4.0.	
41 41		2.6	.0		.0	•0	2.6			1.9	11-51	22-33	34-47	48+	PCT
1-2	ĕ	5, 5	1.1	.0	.0	.0	6.7		.0	1.5	1.5	.0	•0	.0	3.4 1.5
3-4		.,	2.2	.0	.0	؞؞	2.2		.0		:0	:5	.0		
5-6	ĕ	.ŏ	.0	.0	ŏ	.0	•.6		ŏ		.0	.6	.ŏ	:0	3.
7	.0	.6		.0	.ŏ	.8	.0		. 0	ě	:0	.6	٠٥	.0	
8-9	.0	.5	.0	.0	.0				.0		ŏ	iŏ	ě	ě	ě
10-11	.0	.0	.0	.0	.0		.0		ō		.0		•0	,0	.0
12	.0	.0	.0	•0	.0	.0	, ŏ		.0	Ö			.5	.0	.0
13-16	.0	.0	.0	.0		.0	, c		.0	.5		.0	. 0	Ĩ.Ĉ	č
17-19	.0	.0	.0	.0	.0	.0	.0		٠,	.0	.0	•0	•0	. 6	•0
20-22	.0	٠0	۰.		.0	.0	.0		.0	.0	.0	.0	.0	.0	•0
23-25	.0	.0	.0	.0	٠,٠	.0	.0		.0	•0	.0	•0	•0	.0	.0
26-32	.0	.0	.0	.0	.0	.0			.0	•0	.0	.0	•0	. č	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.5	.0	,0	.0
41-48	.0	.0	.0	•0	.0	•0	.0		•0	.0	,õ	•0	•0	٠.	.0
47-60	.0	.0	•0	٠,0	.0	.0	•0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	٠,	•0	.0	.0	.0	.0		•0	•0	•0	•0	.0	.0	• C
71-86	•0	.0	.0	.0	.0	.0	.0		•0	•¢	.0	•0	•0	.0	.0
87+	.0	.0	.0	.0	.0	•0	.6		•0	.0	.0	.0	•0	•0	•0
707 PCT	•0	8.2	3.4	.0	.0	•0	11.6		• 0	3,4	1.5	•0	•0	•0	4.7
				Ε								36			
467	1	4-10	11-21	22-33	34-47	48+	PST		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5		4,4	.0	.0	.0	.0	.0	4.9
1-2	.0	C	.0	.0	.0	.0	.0		.0	4.5	.0	.0	•0	.0	4.5
3-4	.0	.0		•0	.6	. 6	0		. 0	.0	.0	.0	.0	.0	.0
5-6	. 0	.0	.0	.0	. 0	. 0	•0		.0	٥٠	.0	.0	.0	.0	• • •
7	•0	.0	•0	.0	.0	٠.	•0		•0	.0	•0	.0	.0	.0	.0
8-9	.0	٠,٠	.0	٠,0	.0	.0	.0		•0	.0	٠.٥	.0	• 0	.0	.0
10-11	.0	.0	,0	.0	.0	.0	.0		•0	.0	.0	•0	•0	.0	•0
12	.c	.0	.(	.0	.0	•0	.0		•0	, o	.0	.0	••	.0	• •
13-16	٠0	ي.	.0	.0	•0	•0	.0		.0	:0	4.5	.0	~0	.0	.0
17-19	13	5.	•0	.0	.0	•0	.0		•0		.0	.0	•0	٠.	•0
20-22	.0	.0	٥٠	.0	.0	٠,0	•0		•0	•0	.0	.0	٠^	•0	•0
28-25	٥,	.0	.0	.0	.0	٠,	.0		•0	•0	.0	0 ر	•0	.0	•0
20-22	•0	.0	.0	.0	•0	•0	•0		•0	•0	.0	•0	• 0	.0	•0
33-40	•0	>0	.0	• 9	.0	.0	•0		•0	.0	•0	.0	60	. 0	•0
41-46	.0	-0	•0	٠.	.0	٠0			•0	.0	.5	.0	•0	•0	•0
49-00	۰.	٥.	.0	٥.	.0	٥,	.0		•0	.0	• 9	•0	.0	• ?	•0
61-70	.0	.0	• 2	• • •	.0	٠٥.	•0		•0		•9	٥	•0	٠,٥	•0
71-86	٠,	.0	•0	4.3	•0	.0	•0		³¢	.0	•0	.0	•0	.0	•0
87+	٠.	0	•0	• • •	.0	.0	.•0		•0	٥,	•0	.0	•0	•0	•0
TOY POT	.0	1.5	.0	.0	•0	.0	1.*		4.9	4,5	.0	.0	.0	•0	9.3

				P	1 batc	OF AIND	SPEFC	(KTS) AND DIRE	etian :	ERSUS S	SEA HES	SHYS (FT	)		
				5							214				
HGT	1-3	4-10	11-21	22-13	14-47	46+	PCT	1-3	4-10	11-21	27-33	34-47	48+	PCT	
<1 1-2	1.1	3.0	,0	• 0	• 0	•0	4.1	٠,	7.5	. 0	.0	• 0	.0	7.8	
3-4		3.4	. • [	•0	.0	•0	3.4	1.5	11.6	3.0	.0	•0	.0	16.0	
5-0	.3	.0	1.1	٠,	• •	• 0	1.:	•0	•0	.7	.0	.0	.0	.7	
77	.;	.0	•0	.0	• *	٠٠	•0	•"	ڻا ۾	.0	٠.	•0	.0	.0	
8.0	:6	.0	•0	٠.٥	•0	•0	٥.	9.6	•0	.c	•0	•0	.0	9.	
10-11	.0	9.		.0	.0	•0	•0	•0	•0	.0	.0	•0	.0	.0	
12	.5	.0	•0	.0		•0	• 5	•3	• 3	.0	٠.	.5	.0	.0	
13-16			.0	.0		.0	.0	•0	•0	•0	.0	•0	.0	.0	
17-19		.0	.,	.0		.0	•¢	•2	•0	.0	.0	•0	.0	.0	
20-22		.ŏ		.5	:;		٥٠	• 3	• 2		•0	• •	.0	• 5	
23-25	, č		٠,		.0	:ŏ	.č	• 6	•5	.5	.0	ن.	•0	.0	
26-32	. 1	.0	.,	.0	ä	.5			.0	.0	.0	•0	.0	.0	
33-40		.0		.0	.0			٠,٠	.0	.5	.0	•0	•0	.0	
41-49	• 1	.0	-6	.6	.c			.,	.0	.0	.0	•0	•0	.0	
49-50	. 0	.0	.,		.0	.0	.0	.0	•0	٠.	.0	•0	.0	•0	
61-70	.0	.0	.0	.0	, n	.0		• * *	.0	.0	.0	•0	•5	.0	
71-66		. ^	.0	.0			.0	٠,	ő	.0	•0	•0	.0	•0	
87+	.0	.0	.0	٠.		.0	.0		.0		.0	• 3	•6	•0	
TOT PCT	1.1	6.3	1.1	.0	. ^	.0	8.6	1.5	19.4	3.7	.0	•0	.0	0	
								•••	•••		••	••	• •	24.6	
HGT	1-3	4-10	11-21	¥ 22-33	34-47	484	PET	1-3			7.0				TOTAL
ei.	.0	2.6		.5	.3		2.0	• • • • • • • • • • • • • • • • • • • •	4-10	11-21	22-33	34-47	48+	PCT	PCT
1-2	.:	7.5	.0	• • •	. ,	.0	7.5	ŕ	6.3	. • •	•0	•0	. 3	3.0	
3-4	.0	.0	4.0	. ,			4.9	.0	• • •	1.9	•0	•0	. 3	8.2	
5-0	.0	.0	2.2			.0	2.2	.0	ő	4.5	. 2	• • • •	.0	4.5	
7	. ;	.0	.(	. 5	. 5	.0		. 2	• 2		1.5	•0	.0	. • 7	
5-9	.0	.0	•0	•0			.0	ń	ó	.6	•••	• 0	.0	1.5	
10-11	٠.	٠.	•0	• >		.5	,c	i.o		č		.,,	.0	•0	
12	• •	.0	•^	.:	.^	• 0	.0	.5	, G			.6	.0	•0	
13-16	• >	.0	• າ	•0	.0	.5	.5		.0	·ŏ	.0	•0	.0	.0	
17-19	٠.	.0	• 2	. 3	.5	.0	.0	.0	ň	ŏ		ŏ	.0	••	
50-55	٠.	.0	•0	.0	• 2	.0	.0	• 6	.0		.0	.0		.0	
23-25	.c	.0	•0	•0	.0	.0	.0	, າ	.0		.0	.0	٥٠	.0	
26-32	.0	.0	•^	.0	.0	.0	.0	.0	.0		.0	.5		.0	
33-40	.c	.0	•(	.5	•-	.0		• 2	.0	.0	.0	۰٥		.0	
41-48	.0	•0	•0	.0	.0	.0	.0	٠,	.0	.0	.0	.0		.0	
49-60	•3	.0	•0	.0	•-	.0	•0	•^	.0	. ,	.0		.,	•0	
61-70 71-66		.0	• (1	.0	.0	•0	.0	.0	.0	.0		.0		. 5	
87+	.0	•0	•0	.0	. 5	.0	• 0	• )	•0	.0		,0	.0	د د	
TOT PCT	• 5	0	-•?	• ?	• ?	•0	.0	. 3	.0	. 5	. 5	.0	.5		
IUI PCT	• >	10.1	7.1	.0	. 0	-0	17.2		2.2					• •	

HIND SPEED (KTS) VS SEA HEIGHT (FT)

нат	0-3	4=10	11-21	22-28	34-47	48+	PCT	707
<1	10.3	22.1	1.5	.0	.0	.0	33.8	292
1-2	1.5	41.2	5.9		. 6	• 0	40.5	
3-4	.0	.0	13.4	.0	.0	.0	13.2	
5-6	.0	.0	2.7	.0	.0	.0	2.9	
7	.0		.0	1,5	.0	.0	1.5	
8-9	.0		, č			.0	1.0	
10-11	.0		.c	.0	.0	ő		
15	.5	.0	.č	.0	.5		.0	
13-16	.0	.0				.0	.0	
17-19	.0		٠.	•0	.0	•0	•0	
20-22		.0	•c	•0	.0	.0	.0	
	٠,٥	• 6	٠.	.0	.0	.0	٠.	
23-25	.0	•0	.0	• ^	•0	٠.	.0	
26-32	.0	.0	.0	.0	.0	.0	• C	
33-40	.0	•0	.0	. 0	.0	. ?	.0	
41-48	.0	.0	.0	.0	.0	.0	ž.	
49-60	.0	• 0	.0	.0	. 0	.5	.0	
61-70	.0	.0	٥.		.0	.0	.5	
71-86	.c		.č	ó	.0	.0		
87+	.0						٠,	
3,4	••			•0	•0	•0	٠.	
TOT PET	11.8	63.2	23.5	1.5	• 0	.0	100.0	66

PERIODI (DVER-ALL) 1944-1969

TABLE 19

PERCENT PREQUENCY OF MAVE MEIGHT (FT) VS MAVE PERIOD (SECONDS)

PERTID (SEC)	<1	1-2	3-4	>-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-90	87+	TOTAL	HEAN
<6_	7.5	30.8	11.6	0.5	.0	.0	.0	. 3		.0	.0	.0	.0	.0	.0	^					HGT
è-7	.9	. 9	7.5	2.5	.0	.Ġ	٠.	. G	. 0	.č	.0	.0				• • •	.0	.0	.v	60	2
3-4	. 1)	.0	2.8	. 8	. 0		•0	ŏ		.ŏ	• • •		.0	.0	.0	.0	.0	.0	.0	13	3
10-11	.0	. 9		. 0	. 0		•~		• • • •		* ^	-0	٥,	•0	•0	.0	.0	.0	٠.	5	4
12-13	.0		• •	•"			, 0	.0	• 12	•0	• ''	•0	.0	•0	•0	٥٠	.0	-0	-0	1	,
>13			• • •	• ?	٠,٥	.0	.0	.0	.0	.0	.0	•0	.0	• 0	٠.	.0	.0	.0		,	
	- 9	0	٠,0	•0	٠,٥	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	Ĭ	.0		••		-
INDET	,5.9	3.7	2.8	.,	.9	.0	.0	.0	.0	. 0	.0	.0	.0	.0		• • •		•0	.0		
T0741	25	39	27	1.3	2	n	•			• • • • • • • • • • • • • • • • • • • •	• • •	•••	••	• •	•••		.0	•0	.0	26	1
PCT	24.3	36.4	25.5	12.1	1,9	×	×	×	,	Ž	ž	ÿ	Ü	0	Ũ	0	0	٥	0	167	2
					4	.0	•0	.0		-0	•0	- 0	. ^			^					

TABLE 1

AREA 0003 SUNDA STRAIT 5.65 104.7E

DERCENT	FREQUENCY	OF	MEATHER	DCCURRENCE	RY	4130	DIRECTION

				RECIPI	TATIU	N TYPE					STHER	WEATHER	PHEND	MENA	
WNG DIR	RAIN	RAIN SHUK	CR7L	FRZG P( PN	KUPS	OTHER FREN FCPH	HAIL	PCPN AT 05 TIME	PCPN PAST HOUR	THOR LTYG	FOG #C PCPN	FOG WO PCPN PAST HR	18ZE	SPRAY BLWG DUST BLWG SNEW	ND SIG WEA
N NF E SF S M M VAR CALM	.0 3.3 4.0 9.1 9.0 9.5	.0 3.3 .0 9.1 10.1 4.1	.0 .0 .0 .0 .0 .0 .0 .0		00000000000			.0 6.6 4.6 18.2 19.1 6.8 14.3	0 0 0 0 0 1.1 4.1 0 7.7	.0 4.9 24.0 26.7 9.1 4.5 .0	10.0	00,100000000000000000000000000000000000	•0	.0	90.0 95.1 69.4 69.3 72.7 75.3 89.2 85.7 .0
TOT PC7	4.1 172	3.5	.6	.0	.0	.0	•0	5-1	1.2	11.6	1.2	•0	•0	•0	78,5

TANL® 2

#### PERCENT PREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
POUR (GMT)	RAIN	RAIN SHWR	DR7L	FRZG PCPH	2N0#	OTHER PRZN PCPN	MAIL	PCPH AT DB TIME	PCPH PAST HOUR	THDK LTNG	FDG NB PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY RENG DUST BENG SHOW	NO SIG WEA
00£03 06£09 12£15 18£21	4.3 2.2 2.6 8.8	6.5 .0 .0 7.0	\$.\$ .0 .0	.0	.0	.0	.0 .0 .0	13.0 2.2 2.6 15.8	2,2 2,2 .0	3.7 .0 12.3 24.0	.0 5.1	.0	•0	.0 .0 .0	76.1 95.6 79.5 61.4
TOT PCT	4.8 187	3.7	.5	.0	•0	•0	.0	9.1	1.1	12.3	1.1	.0	•0	•0	77.0

### TARLE 3

### PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY JUR

		with	D 5PF(	0 (K40	TS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FRFQ	SPD	00	J\$	06	09	12	15	18	21
N	1.9	3.5	, 9	•	.0	.0		6.3	6,2	6.9	6.3	7.8	8.1	5.3	20.0	4.5	4.7
NE	1.9	6.0	1.6	.2	.0	•0		9.6	7.2	10.3	•0	11.3	12.3	8.8	20.0	6.9	8.5
ε	2.1	9.0	2.1	.?	.0	.0		13.3	7.3	16.5	•0	10.9	12.9	12.1	20.0	16.3	12.4
SE	3.6	11.9	3.6	. 3	.0	.0		19.4	7.6	19.6	12.6	17.6	16.3	25.0	10.0	19.7	19.4
Š	2.5	6.2	1.2		.0	.0		9.9	6.4	12.4	21.9	8.5	11.0	9.4	30.0	7.6	11.4
Šw	3.0	5.6	1.7	.0	.0	.0		10.4	6.7	7.1	34.4	7.9	8.7	14.4	.0	12.5	11.5
W	5.0	7.1	2.5	.2	.0	.0		11.9	7.9	12.4	6.3	12.2	11.7	12.4	.0	12.1	11.0
file	1.5	6.9	2.1	.3	.2	.1		11.0	8.9	F.A	6.3	14.9		5.6	•0	10.7	13.2
VAR		.0			.0					.0	• 0	• .0		• • •	.0	.0	•0
CALH		••	••		••	•••		8.2	. 0	6.0	12.5	8.6		7.1	.0		_
TGT CBS	8.2 324	688	192	15			1224	4.2	6.8	182	1412	306	132	170	• •	228	
					- 2	,	1227		044								
TET PCT	26.6	56.2	15.7	1.2	• 2	. 1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

#### TARLE 3A

NO DIR	0=6	WIND 7-16	5PFED 17-27	(KNGTS) 28-40	41+	TOTAL QBS	PCT FREQ	MEAN SPD	00	H0U# 06 09	(GHT) 12 15	18 21
k.	4.3	1.7	. 3	•	.0		6.3	6.2	6.8	7.9	5.7	4.6
٧E	5.4	2.7	.5	•0	.0		9.6	7.2	9.9	11.6	9.1	7.7
	7.1	5.4	.7	• 0	.0		13.3	7.3	15.8	11.5	12.3	14.5
37	9.3	9.0	1.1	, c	.0		19.4	7.6	19.3	17.2	24.6	19.6
ς	6.1	3.4	.4	.0	.0		9.9	6.4	12.8	9.2	10.0	9.3
Sw	6.3	3.5	.6	.0	.0		10.4	6.7	1,3	1.2	14.0	12.1
¥	3.6	3.5	٠,		.0		11,9	7.9	12.1	12.0	12.0	11.6
Äu	5.6	4.1	1.0	.1	.2		11.0	8.9	8.7	13.4	5.4	11.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	8.2						8.2		6.3	8,9	6.9	8.8
TOT DAS	709	447	63	2	3	1224		6,3	190	438	175	421
TOT PCT	57.9	36.5	5.1	.2	. 3		100.0			100.0		

APRIL

PERIDD: (PRIMARY) 1881-1971 (DVER-ALL) 1855-1971

**(**)

•

TABLE 4

AREA OOO3 SUNDA STRAIT 5.65 104.7E

	PERCENTAGE	PREQUENCY	ÇF	HIND	SPEED	87	HJUR	'SHT)	
--	------------	-----------	----	------	-------	----	------	-------	--

HOUR	CAL#	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL DBS
00603 00409	6.3	18.9	55.3 57.3	18.9 15.3	1:0	.5	.3		100.0	190
12615	6.9	17.1	59.4	16.0	.6	.0	.0		100.0	175
18621 TOT PCT	8.A 100 8.2	20.9 276 18.5	54.2 688 56.2	14.5 192 15.7	1.4 15 1.2	.2	.0 1 .1	6.7	100.0	421 1224

TAPLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)		1					CEILIN					
WND DIR	0-2	3-4	5-7	08500	TCTAL CBS	MEAN CLOUD COVER	000 149	150 294	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	5000+	NH <5/8	
N	.8	1.1	1.9	•0		4.5	•0	•0	.0	•0	.0	1.1	.0	•0	•0	.0	2.7	
NE	2.5	1.1	3.3	1.1		4.6	.0	.0	.0	.0	1.1	.3	1.1	.0	.0	.0	5.5	
E	2.2	7.1	10.2	1.1		4.5	.0	.0	.0	1.1	1.1	3.0		•0	•0	.0	15.4	
šĒ	3.3	4.9	5.8	1.1		4.3	.0	.0	.0	1.1	3.3	.0	.0	•0	•0		10.7	
Š	3.0	2.7	4.7	2.2		5.1	• 0	.0	. 0	1.1	.0	.0	.0	•0	•0	.0	10.7	
SW	2.5	2.7	6.9	1.4		5.2	•0		1.4	• 0	2.7	1.1	.0	•0	•0		8.2	
ŭ	2.2	1.1	7.4	1.9		5.3	•0	. 1	1.1	• C	2.5	1.1	.c	•0	•0		8.0	
ŸH		0.0	3.8	2.2		6.5	.0	.0		.5	2.5	i.i	.ŏ		•0		2.5	
VAR	. 0	.0	.0	•0		.0	.0	• 0	.0	.0	.0		.0	•0				
CALH	.0	.0	6.6	1.1		5.5	• 0	.0	.0	•0	1.1	2.2	.0	•0	•0		4.4	
TOT UBS	15	19	46	ii	91	5.0	ŏ		· ;	Ť	13	- ' 6	ĭ	ŏ	•	• 5	62	91
TOT PCT	16.5	20.9	50.5	12.1	100.0	- • •	•0	• 0	3,3	3.3	14.3	9.9	1.1	٠ŏ	•ŏ	.ŏ	68.1	100.0

TARLE 7

CUNULATIVE	PCT FREQ	OF SIMULTANEOUS	UCCURRENCE
OF CEILIN	NG PEIGHT	(NH 34/8) AND V	SBY (NH)

				VSBY (NH	)			
CE i · ING	⇒ DR	- OR	• GR	◆ DR	• DR	♥ DR	- OR	◆ OR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ OR >6500	.0	.0	.c	.0	.0	.0	.0	.0
● DR >5000	.0	.0	.0	.0	.0	.0	.0	.0
<ul> <li>gR &gt;3500</li> </ul>	.0	1.0	2.1	2.1	2.1	2.1	2.1	2.1
<ul><li>OR &gt;2000</li></ul>	8.3	9.4	11.5	11.5	12.5	12.5	12.5	12.5
<ul> <li>nR &gt;1000</li> </ul>	18.8	22.9	25.0	25.0	26.0	26.0	26.0	26.0
<ul> <li>DR &gt;600</li> </ul>	21.9	26.0	28.1	28.1	29.2	29.2	29.2	29.2
• OR >300	25.0	29.2	31.3	31.3	32.3	32.3	32.3	32.3
■ 17R >150	25.0	29.2	31.3	31.3	32.3	32.3	32.3	32.3
• DR > 0	25.0	29.2	31.3	31.3	32.3	32.3	32.3	32.3
TOTAL	24	28	30	30	31	31	31	31

TOTAL NUMBER OF OBS: 96

PCT FREQ NH <5/9: 67.7

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DB5C0 DB\$ 1.9 12.6 26.2 11.7 12.6 7.8 10.7 9.7 6.8 .0 103

APRIL

TOT PCT 5.8 11.8 17.6 14.7 12.8 12.9 10.8 6.1

TABLE 9

				PERCEN	T FREO	OF WI	NO DIF	ECTION S OF V	VS WI	ND SPE	ED		
VSBY (NH)	SPU KTS	N	NE	E	SE	S	SW	H	NW	VAR	CALH	PCT	TOTAL
	0-3	.0	.0	.0		.0	.0	.0	٠.	.0	.0	• ^	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	. ၁	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	.0	.c	.0		.0	
	TOT \$	•0	.0	•0	•0	•0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	410	.0	.0	.3	•0	.0	.0	.0	.0	.0		. 3	
	11-21	.0	•0	•0	.0	•0	• 0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	•0	.0	.0	٠.	٠.		.0	
	<b>TOT </b> *	.0	•0	.3	•0	.0	•0	•0	.0	.0	•0	.3	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.c	.0	
1<2	4-10	.0	•0	•0	.0	•0	.0	.0	•0	.0		.0	
	11-21	٠.	•0	•0	.0	•0	•0	.0	٠.	.0		.0	
	22+	•0	.0	•0	•0	•0	.0	.0	.0	•0		.0	
	TOT %	.0	•0	•)	٠,٥	•0	.0	.0	•0	•0	•0	•0	
	0-3	•0	.3	•0	.0	.0	-1	-1	.0	.0	.0	. 5	
2<5	4-10 11-21	.0	.3	• 0	•0	•0	.3	.3	•0	.0		. 8	
		•0	•0	•0	.0	•0	.0	.3	. 5	•0			
	22+ 101 %	.0	.0	٠٥	.0	.0	.0	.0	.0	•ŏ		2.0	
	_				••	••	••	.0	.,	•0	.0	2.0	
	0-3	.3	.3	.5	.0	. 4	.4	. 3	.3	.0	. 5		
5<10	4-10	- 1	1.6	1.3	2.3	2.5	1.3	1.2	1.1	.0		11.5	
	11-21	.0	. 3	.0	.5	.3	.4	1.0	.4	.0		2.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.4	2.3	1.8	2.8	3.1	2.1	2.4	1.8	•0	.5	17.0	
	0-3	1.4	1.7	.6	1.9	2.6	2.9	2.8	1.1	.0	7.5	22.6	
10+	4-10	3.2	4.3	8.3	10.5	4.6	4.9	6.8	6.5	.0		49.1	
	11-21	• •	1.0	2.4	1.3	• •	1.3	1.4	•	•0		8.5	
	22+	.0	0	0	0	.0	.0	1	. •	.0		5	
	TOT \$	5.0	7.0	11.3	13.6	7.6	9.1	11.1	8.4	.0	7.5	80.7	
	OT DES												399
1	OT PCT	5.4	9.7	13.3	16.4	10.8	11.6	14.2	10.7	.0	8.0	100.0	

PERIOD:	(PRIMARY)	1881-1971
	INVER-ALL L	1856-1071

PABLE 10

AREA 0003 SUNDA STRAIT 5.65 104.7E

PERCENT	PAE JUENCY OF	CEILING HEIGHTS	(FEETA: H SA/B)	AND
, 6.146111				

HOUR (GMT)	000 149	190 299	300 599	999	1000 1999	2000 3499	3500 4299	5000 6499	6500 7999	80000	TOTAL	NH <5/6 ANY HGT	TOTAL OBS
20203	.0	•0	6.5	3.2	22.6	0.5	3.2	.0	.0	.0	41.9	56.1	31
<b>90360</b>	.0	.0	4.3	•0	13.0	13.0	.0	.0	.0	•0	30.4	69.6	23
12615	.0	.0	.0	•0	9.1	9.1	4.5	.0	.0	.0	22.7	77.3	22
18821	.0	.0	.0	8.7	4.3	17.4	.0	.0	٠,	.0	30.4	69.6	23
TOT	0	0	3.0	3.0	13	111	2. ñ	0	0	0	32	67	300.0

TA	L	E	1

#### TABLE 12

		PERCENT	FRFQUEN	CY VSB	r (NM)	BY HOUR		CUMULAT					VSRY (NM) RUGH YB\(I	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	1.1	.0	2.3	17.0	79.5		00603	.0	9.7	16.1	25.8	58.1	31
<b>90360</b>	.0	.0	.0	3.6	6.3	90.2	112	90360	•0	4.5	4.5	27.3	68,2	22
12615	•0	.0	.0	.0	23.3	76.7	73	12615	•0	.0	.0	22.7	77.3	22
18621	.0	.0	.0	2.9	22.9	74.3	140	18621	•0	.0	14.3	14.3	71.4	21
TOT PCT	•0	.2	.0	10 2.4	71 17.2	331 80.1	413 100.0	TOT PCT	.0	4.2	9 9,4	22.9	65 67.7	96 100.0

TABLE 13

#### TABLE 14

				•		•									1000					
	PERC	ENT FR	EQUENC	Y 3F R	ELATIV	E HUMI	B YTIG	Y TEMP	TOTAL	PCT		PERC	ENT FA	EQUENC	Y 9F 1	IND DI	RECTIO	N 84 T	EHP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	SW	¥	NW	VAR	CALM
90/94	.0	.0				.0	.0	.0	3		1.7	.0	1.3	1.7	.0	.0	3.2	1.1	.0	.0
85/89	•0								16	13.6	•0	1.3					3.2	1.1	.0	3.4
80/84	.0	.0	•0	. 8	.0	22.9	46.6	6.0	91	77.1	1.5	10.6	13.8	12.9	12.3	9.5	8.3	3.2	.0	5.1
75/79	.0	.0	.0	•0	• • •	.0	4,2	2,5		6.8		.0	1.7	. 8	.0	1.3	1.3		.0	.0
TOTAL	0	0	0	1	6	38	62	11	118	100.0							••-			
PLT	•0	.0	•0	. 6	5.1	32.2	52.5	9.3			4.0	11.9	17.6	15.5	13.1	11.7	12.7	5.1	•0	4.5

TABLE 15

#### TABLE 16

	MEANS,	EXTREM	ES AND	PFRCE	ITILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	OUENCY	OF RELA	TIVE H	UMIDITY	BY HOUS	t
HOUR (GHT)	XAM	998	95x	50%	51	1*	HIN	HEAN	TOTAL DB3	HOUR (GMT)	0=29	20-59	60-69	70-79		90-100		TOTAL
00203	94	87 92	85 89	82 84	78 80	76 76	75 74	84.2	190 423	00403 00409	.0	.0	3.1 14.0	18.8	22.2	3.7	76	32 27
12615	87 90	86 86	86 85	83 82	80 78	77 77	77 75	82 7 81.7	170 413	12619	.0	3.8 •0	2.4	38.5 17.1	38.5 65.9	19.2 14.6	51 84	26 41
TOT	97	90	87	83	79	77	74	82.8	1196	TOT	0	1	6	39	65	15	•1	126

APRIL

PERIOD: (PRIMARY) 1881-1971 (OVER-ALL) 1855-1971

TABLE 17

AREA 0003 SUNDA STRAIT 5.65 104.7E

PCT FREQ	OF AT	R TEMPERATURE (C						PRECIPITATION)
		VS AIR-S	FA TEMPE	PATUR	E DIFFERLNCE	E (CEG )	÷ )	

AIR-SEA	73	77	81	85	89	101	¥	MD
THP DIF	76	80	84		92		FOG	FOG
7/8	.0	•0	.0	.0	. 6	1	•0	
6	٠.	.0	.0	.13	1.3	2	. 5	1.3
5	.0	.0	.0	, 6	. 6	ž	• 0	1.3
4	.0	.0	.0	. 6	.0	ī	•0	- 6
3	.0	.0	.0	1.3	.0	ž	•0	1.3
2	.0		3.1	1.9	.0	i		5.0
ī	.0	. 6	3.1	1.3	.0	i	.0	5.0
ö	.ŏ	.0	13.4	3,0	.ŏ	2		17.0
-1	.ŏ	1.3	14.5	.0	.ŏ	25		15.7
							• 0	
-2	٠0	2.5	23.9	1.9	•0	45	• 0	28.3
-3	.0	1.3	1.1	.0	.0	16	• 0	10.1
-4	.0	1.3	3.1	.0	.0	7	.6	3.8
-5	.0	2.5	2.5	.0	.0	•	.0	5.0
	.0	•6	.6	.0	.0	,	.0	1.3
-7/-8		1.3		.0	.0	2 3		1.9
-9/-10	.0	•6	.0	.0	.0	ī		• . 6
TOTAL	ĭ		117	••	4	•	ž	157
	•	19	•••	10	•	159	•	•••
867		11.0	73 A		2 6	11000		

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

				PC	T FREG (	F WIND	SPEED	(KTS) AND I	DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)	)	
нст	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	,	. •3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	.0	•0	.0	.0	.0	.0		•0	•0	.0	.0	•0	.0	.0
1-2	1.2	4.4	1.6	.0	.0	.0	7.1		. 4	2.4	4,8	.0	•0	.0	7.5
3-4	.0	.0	•0	.0	.0	.0	.0		• 0	.4	1.6	•0	•0	.0	2.0
5-6	.0	.0	.0	.0	•0	•0	•0		•0	.0	.0	•0	•0	.0	.0
7_	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	•0	•0
8-9	• 63	.0	•0	.0	.0	•0	•0		.0	•0	•0	•0	•0	.0	•0
10-11	• 2	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0
12	.0	.0	۰,0	.0	.0	•0	•0		•0	.0	•0	•0	•0	.0	•0
13-16	.0	.0	•0	٠.	.0	٠0	•0		•0	•0	.0	•0	•0	.0	•0
17-19	•0	.0	•0	.0	•0	.0	٠,0		a.	.0	.0	•0	•0	.0	•0
20-22	.0	.0	•0	•0	.0	.0	.0		.0	•0	.0	-0	•0	.0	•0
23-25	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0
26 <b>-3</b> 2	•0	.0	•0	•0	٠.	•0	•0		.0	.0	.0	-0	•0	.0	•0
33~40	.0	.0	•0	.0	•0	•0	•0		.0	.0	.0	.0	•0	.0	.0
41-48	.0	.0	•0	.0	.0	•0	• C		.0	•0	.0	.0	•0	.0	•0
49-40	.0	•0	•0	.0	•0	•0	•0		.0	.0	.0	•0	•0	•0	•0
61-70	.0	.0	•0	.0	.0	•0	.0		•0	•0	.0	• 0	.0	•0	•0
71-86	.0	.0	•0	•0	.0	•0	.0		.0	•0	.0	•0	•0	.0	.0
87+	.0	.0	•0	•0	.0	.0	.0		.0	,0	.0	.0	•0	•0	.0
TOT PCT	1.2	4.4	1.6	•0	.0	•0	7.1		• 4	2.8	6.3	•0	•0	•0	9.5
HGT	1-3	4~10	11-21	£ 22-33	24-47	48+	PCT	,	1-3	4-10	11-21	5E 22-33	34-47	48+	PCT
<1	.0	1.6	.0		.0	.0	1.6		. 5	.0	.0	.0	.0	.0	
1-2	.ŏ	9.9	3.2	.ŏ	.0		13.1		ó	10.7	.ŏ		ě	.ö	10.7
3-4	. 0	7.5	.0	.0	.0	.0	7,5		ŏ	1.6	1.6	.0		.ŏ	3.2
5-6	.ō	.0	1.6	.0	.0		1.6		ŏ	1,6		:6	ě	.ŏ	1.6
7	.0	.0	•0	.0	.0	.0	.0		.0		.õ	•0	ŏ	·ŏ	0
8-9	.0	.0	.0	•0	.0	.0	.0		.0	.0	.0	.0	•0	.0	•0
10-11,	.0	.0	.0	.0	.0	•0	.0		.0			.0	•0	.0	•0
12	. 0	.0	•0	•0	,0	•0	.0		.0	.0		.0	.ŏ		.0
13-16	.0	.0	.0	•0	.0	•0	.0		.0	.0	.0	.0	•0	·ò	•0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	,õ	.ŏ	.0	.0	•0
20-22	.0	,0	.0	.0	.0	.0	.0		.0	,õ	.0	.ŏ	•0	·ò	,,
23-25	.0	.0	.0	.0	.0	•0	, ŏ		.0	.0	.0	.ŏ	ě	.0	•0
24-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0		.0
33-40	.0	.0	•0	.0	.0		.0		.0	.õ	.5	.0		.0	.5
41-48	, ŏ	.0	.0	.0		.0			ŏ	.0	.6	.0		ŏ	.ŏ
49-60	.0	.0	•0	.0	.0		.0		ŏ	.0		.0	.0	.ŏ	•6
61-70	.õ	.0			.0		.0		ŏ	ŏ		.0	.0	.0	
71-06	.ŏ	.ŏ	•0	.0		•0	ŏ		ŏ	ŏ	ě	.0	.0	. 5	č
87+	.0	.0	.0		.0				.0	.0	.0	.ŏ	.0		•0
TOT PCT		19.0	4.8	.0	.0	.0	23,8		•0	13.9	1.6	:0	•0		15.5

	APRIL	
PERIOD: (OVER-ALL) 1963-1971	TABLE 18 (CONT)	AREA 0003 SUNDA STRAIT

FT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				Pŕ	T FRED C	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIS	HYS (FT)			
				5								•				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	4.4	1.6	•0	•0	.0	.0	6.0		2.0	. 8		.0	•0	.0	2.8	
1-2	1,6	1.2	1.2	•0	.0	.0	4.0		.0	- 7	1.2	.0	.0	.ŏ	1.2	
3-4	.0	1.2	1.6	•0	.0	•0	2.8		.0	. 4	3.2	.0	• 0	.0	3.6	
5-6	.0	.0	•0	•0	.0	•0	•0		'n	.0	.0	•0	.0	.0	.0	
7_	. 0	•0	•0	•0	•0	•0	•0		• ?	.0	.0	.0	•0	.0	.0	
8-9	.0	.0	•0	.0	•0	•0	• 0		.0	.0	.0	•0	•0	.0	.0	
10-11	.0	.0	•0	.0	.0	•0	•0		•0	.0	.0	•0	•0	.0	•0	
12	•0	.0	• 0	•0	•0	٠٥	•0		• 3	.0	•0	•0	•0	•0	•0	
13-16	.0	.0	•0	.0	•0	•0	٠Ç		•0	.0	.0	•0	•0	•0	.0	
17-19	•0	.0	•0	•0	.0	•0	•0		•0	.0	.0	•0	•0	.0	.0	
20-22	••	.0	•0	.0	•0	•0	J		•0	.0	.0	•0	•0	•0	• C	
23-25 26-32	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
33-40	.0	.0	•0	•0	•0	•0	.0		•0	•0	.0	•0	•0	٠.	.0	
41-48	.0	.0	0.	.0	•0	•0	.0		•0	.0	•0	•0	•0	.0	.0	
49-60	.0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
61-70	.0	.0		•0	•0	•0	•0		•0	•0	•0	.0	•0	.0	.0	
71-86	:3	.5	9.	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
87+		.ö	•0	.0	.0	•0	٠,		•0	.0	.0	•0	• 0	.0	.0	
TOT PCT	5.0	4.0	2.8	.0	.0	•0	0		•0	. • 0	.0	•0	•0	.0	.0	
101 -61	3.0	4.0	200	• 0	•0	• •	12.7		5.0	1.2	4.4	.0	•0	٠.	7.5	
				u								NW				TOTAL
HGT	1-3	4-10	11-21	22-73	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.2	4.0	•0	•0	•0	.0	5.2		2.0	1.6	.0	•0	•0	.0	3.6	
1-2	.0	3.2	2.4	.0	.0	.0	5.6		.0	1.6	.ŏ	.0	ě	.ŏ	1.6	
3-4	.0	.0	.0	.0	.0	.0	.0		ō	.0	ŏ	.č	.ŏ	ě	1.0	
5-6	.0	.0	•0	•0	.0	.0	.0		.0	.0	.0		ŏ		·ŏ	
7	.0	.0	•0	•0	•0	•0	.0		.0	.0	.0	•0	•0	.0	•0	
8-9	.0	•0	•0	•0	.0	•0	.0		•0	.0	•0	.6	•0	.0	.0	
10-11	• 0	• 0	* 6	•0	•0	•0	• 6		•0	•0	.0	.0	•0	•0	.0	
12	.0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	.0	.0	
13-16	.0	•0	•0	•0	•0	•0	• •		•0	•C	.0	• 0	• C	.0	.0	
17-19	•0	.0	• 0	•0	• 0	•0	•0		•0	.0	.0	•0	•0	.0	•0	
20-22	.0	.0	• 0	•0	•0	•0	• 0		•0	•0	.0	.0	•0	.0	.0	
23-25	.0	.0	•0	•0	.0	0	•0		.0	•0	.0	.0	•0	.0	.0	
26-32	.0	.0	•0	•0	•0	• 0	.0		•0	.0	.0	.0	•0	.0	•0	
33-40	.0	.0	•0	•0	•0	•0	.0		•0	• 0	.0	.0	.0	.0	•0	
41-48 49-60	٠,	.0	•0	•0	•0	•0	•0		• 0	• 0	.0	•0	•0	•0	•0	
49=00 61=70	٠٥	.0	•0	•0	•0	•0	•0		• 2	.0	.0	.0	•0	•0	•0	
71-86	.0	.0	•0	•0	•0	•¢	• C		•0	•0	.0	.c	•0	.0	•0	
87+	.0	.0	•0	•0	•6	.0	•0		•0	.0	.0	.0	•0	•0	•0	
TOT PCT	1.2	7.1	•0	•0	•0	•0	0		•0	0	•0	•0	• 0	.0	•0	
101 -61		7.1	2.4	.0	.0	•0	10.7		2.0	3.2	.0	•0	•0	.0	5.2	92.1

HIND	SPEED	(KTS)	٧s	SEA	HEIGHT	(ET)
	Jrecu	10131	7.3	) E 44	uttaur	1 - 1 1

HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	17.5	9.5	.c	.0	.0	.0	27.0	085
1-2	3.2	33.3	14.3	.0	.0	.0	50.8	
3-4	.0	11.1	7.9	.0	.0	.0	19.0	
5-6	.0	1.6	1.6	.0	.0	.0	3.2	
7	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	••	ŏ	.0	.0	ŏ	
10-11	.0	.0	.0	.0	,0	.ŏ	.0	
12	.0	, č	.0	ő	.0	.ŏ	·ŏ	
13-16	.0		.0	, o	.0	.0	.ŏ	
17-19	.0	.0	.ŏ	.5	.ŏ	.0	ŏ	
20-22	.0	.0	.0	.0	.ŏ	.0	.0	
23-25	.0	.0	.0	.0	.0			
26-32	.0	.0				.0	•0	
33-40			.0	•0	•0	.0	• 0	
	•0	.0	.0	•0	•0	.0	.0	
41-48	.0	•0	.0	.0	•0	.0	.0	
49-60	.0	•0	.0	.0	.0	.0	.0	
61-70	.0	•0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	•0	ō	.0	.0	.0	
								63
TET PET	20.6	55.6	23.8	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEA4 Hot
<6	11.5	31.0	8.0	.0	1.1	.0	.0	.0	- 0	.0	.0	. 0	^	^	^	^	^				791
6-7	.0	8.0	6.9	6.9		.0			• • • •		• • •	• • •	• • •	•0	• • •		.0	.0	.0	45	Z
8-9		2 - 2						•0	.0	.0	• •	•0	.0	•0	•0	.0	.0	.0	.0	19	3
	•0	2.3	3.4	1.1	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0	-0	-0	6	3
10-11	•0	1.1	.0	.0	1.1	1.1	•0	.0	.0	.0	:0	-0	.0	.0	. 0		.0		ň	•	
12-13	•0	.0	.0	1.1	.0	.0	•0	.0	.0	.0		• • •			• • • • • • • • • • • • • • • • • • • •	• * *		••	.0		
>13									•••		• • •	• • •	•0		•0	.0	• •	.0	.0	1	:>
	•0	.0	.0	.0	.0	.0	•0	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	٥	
INDET	9.2	2.3	.0	2.3	1.1	.0	•0	.0	.0	.0	.0	- 0	.0			.õ	.ŏ	**		1 2	•
TOTAL	18	39	16	10							**	• • •	•••	•••	•••	• • •	• •				•
							v	U	v	0	. •	0	0	0	0	0	0	۰	0	87	2
PCT	20.7	44.8	18.4	11.5	3.4	1.1	•0	•0	•0	.0	٠.٥	•0	-0	- 0		٠.0	٠.٨		ň	100.0	-

(

TABLE 1

AREA 0003 SUNDA STRAIT 5.55 104.8E

BERCENT	ERECHENCY	O.E	URATHER	DCCURRENCE		MIND	OIRCETTON.
PERCENT	FREMUERUT	ur	RPAINER	DUCUMNENCE	Вī	טאנוש	DIRECTION

	PRECIPITATION TYPE										OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LING	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N	15.7	.0	.0	٥.	.0	.0	.0	15.7	5.9	19.6	.c	.0	-0	•0	66.7
NE	2.6	5.1	.0	.0	.0	.0	-0	7.7	1.3	10.3	.0	.0	-0	•0	83.3
E	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	1.6	.0	.0	.0	.0	98.4
ŠE	6.3	.0	.0	.0	.0	.0	.0	6.3	2.5	10.1	.õ	.0	2.5	.0	81.1
S	9.2	3.1	.0	. 0	.0	.0	.0	12.3	.0	4.6	.0	.0	.0	.0	83.1
Św	4.5	2.2	.0	.0	.0	.0	.0	6.7	4.5	6.7	.0	.0	•0	.0	82.0
W	6.1	12.1	.0	.0	.0	.0	.0	18.2	12.1	10.6	.0	.0	•0	•0	59.1
Ñ₩	16.0	.0	.0	.ŏ	.0	.ŏ	.0	16.0	••	16.0		.ŏ	•0	.0	68.0
VAR	.0	.0	.0	.0	.0	.0	.0		•0			ŏ	•0	ŏ	.0
CALP	•0	.0	.0	.0	•0	.0	•0	.0	10.0	.5	.0	.0	10.0		80.0
TOT PCT	5.7 174	2.3	.0	.0	•0	.0	•0	8.0	3.4	8.0	•0	.0	1.1	•0	81.0

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER	HEATHER	PHENO	MENA	
HDUR (GFT)	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER PRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	7.0 2.2 4.3 8.5	2.3 .0 2.1 6.4	.0 .0	.0	.0	.0	.0	9.3 2.2 6.4 14.9	4.7 .0 2.1 6.4	2.3 .0 21.3 8.5	.0	.0	.0 .0 2.1 4.3	•0 •0 •0	86.0 97.8 70.2 68.1
TOT PCT	5.5 182	2.7	.0	•0	•0	0	•0	8.2	3.3	8.2	•0	•0	1.6	.0	80.2

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WHO DIR	0-3			22-33		48+	TOTAL OCS	PCT FREQ	MEAN SPD	00	03	06	HDUR 09	(GHT) 12	15	18	21
N	1.4	3.2	. 5	.0	.0	.0		5.0	6.0	6.2	5.6	4.3	4.7	5.2	•0	5.9	4.6
NE	1.7	5.1	.9	.0	•0	.0		7.6	6.4	3.8	5.6	9,6	9.6	10.4	20.0	4.7	5.9
E	2.7	9.5	2.9	. 1	•0	.0		15.2	7.4	17.0	22.2	18.8	11.5	12.8	7.5	12.4	16.7
SF	2.7	16.6	7.1	.7	.0	.0		27.1	9.0	29.4	33.3	23.9	26.3	31.0	32.5	27.4	26.4
S	2.3	7.2	2.2	.1	.0	.0		11.8	7.2	11.8	22.2	8.2	14.8	12.1	10.0	16.8	8.7
Św	1.7	5.7	1.1	.1	.0	.0		8.6	6.6	7.7	1'.1	9.5	10.5	8.3	15.0	5.3	9.7
W	1.2	5.3	1.4	. 2	.0	.0		8.1	7.5	7.4	•0	9.0	5.5	7.7	5.0	9.7	8.5
ЙW	1.5	3.7	1.4	. 5		.0		7.1	8.9	12.4	.0	7.6	5.5	3.6		5.1	9.7
VAR	•0	•0	.0	.0	.0	.0		.0	.0	•0	•0	.0	.0	•0	.0	.0	.0
CALM	9.4							9.4	:0	4.2	.0	9.1	11.6	8.9	10.0	12.7	9.7
TOT OBS	319	727	225	20	1	0	1292		7.0	165	ĕ	329	172	192	10	220	195
TOT PCT	24.7	56.3	17.4	1.5	. i	.ŏ		100.0				100.0					

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNGTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDU1 06 09	12 15	13 21
N	3.3	1.6	.1	•0	.0		5.0	6.0	6.2	4.4	5.0	5.3
NE	4.6	2.8	• 2	•0	.0		7.6	6.4	3.9	9.6	10.9	5.2
₹	7.7	7.0	.5		.0		15.2	7.4	17.2	16.3	12.5	14.4
\$E	10.0	14.4	2,6	•	.0		27.1	9.0	29.6	24.8	31.1	26.9
\$	6.7	4.4	7	•0	.0		11.8	7.2	12.4	10.5	12.0	13.0
Sw	5.3	3.2	.2	•0	.0		8.0	6.6	7.9	9.8	8.7	7.4
v"	4.3	3.4	.4	.0			6.1	7.5	7.0	7.8	7.5	9.1
ÑW	3.5	2.7		.3			7.1	1.9	11.4	6.9	3.5	7.3
VAR	3.6											
		•0	•0	•0	.0		.0	.0	•0	.0	•0	•0
CALH	9.4						9.4	.0	4.0	10.0	8.9	11.3
TOT ORS	710	509	68	5	٥	1292		7.0	174	501	202	415
TOT BCT	55.0	39.4	5.3		٠.۵		100.0		100.0	100.0		100.0

TARLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (	KNOTS			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	HEAM	FREQ	OBS
60300	4.0	16.7	67.6	15.5	1.1	.0	•0	7.2	100.0	174
06609	10.0	70.6	52.7	16.6	.2	.0	.0	6.4	100.0	501
12615	8.9	11.9	53.5	22.3	3.5	.0	.0	7.8	100.0	202
18621	11.3	0,9	59.3	16.9	2.4	.2	.0	7.2	100.0	415
701	122	197	727	225	20	1	0	7.0	-	1292
PCT	9.4	15.2	56.3	17.4	1.5	٠i	.0		100.0	

TABLE 5

TABLE 6

ρ	PCT FRED OF TITAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN												CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TCTAL GBS	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.3	1.3	.0	.0		3.0	•0	.0	.0	.0	.0	• • •	.0	•0	•0	.0	2.6	
NE	1.3	.0	5.5	1.9		6.2	•0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	7.1	
E	4.9	6.8	2.9	1.9		3.7	•0	• 0	.0	.0	.0	1.7	.0	•0	•0	.0	14.6	
SE	6.8	7.8	6.5	5.2		4.3	•0	.0	۰,0	.0	2.9	1.6	.0	•0	•0	.0	21.8	
2	1.0	1.0	8.1	• 0		5.2	•0	.0	.0	.0	2.3	. 0	1.3	.0	•0	.0	6.5	
SW	3.6	1.3	3.9	×0		3.5	•0	. ^	.0	.3	1.3	.0	.0	.0	.0	.0	7.1	
W	3.2	3.6	6.8	2.6		5.2	•0	.0	.0	3.6	.0	2.5	.0	.0	.0	.0	10.1	
NW	1.3	. 3	.0	1.3		4.8	•0		.0	.0		1.3	.0	•0	.0		1.6	
VAP	.0	.0	•0	•0		•0	•0	.0	.0	.0	.0	•0	.0	.0	•0	.0	•0	
CALH	1.3	2.0	3.9	.0		4.5	•0	.0	. 0	.0	1.3	.0	.0	.0	•0	.0	6.5	
TOT UBS	19	19	29	10	77	4.5	ŏ	0	Ö	3	7 6	7	ĭ	ő	ŏ	ŏ	60	77
TOT PCT	24.7	24.7	37.7	13.0	100.0		•0	•0	.0	3,9	7.8	9.1	1.3	•0	٠ŏ	.0	77.9	100.0

TARLE 7

CUMULATIVE	PCT	FREQ	ΩF	SIMULTANEOUS	DCCURRENCE
DE CETTE	un tu	THAT	1 ***	4 SA/B1 4ND U	CEV /NH1

				VSBY (NE	13			
CEILING	<ul><li>98</li></ul>	- OR	■ DR	. 48	· OR	• OR	n DR	■ OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0	•0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
■ 9R >2000	7.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0
■ DR >1000	13.8	18.8	18.8	18.8	18.8	18.8	18.6	18.8
• DR >600	15.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5
■ OR >300	15.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5
e DR >150	15.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5
* DR > 0	15.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5
TOTAL				::	1.4	::	::	

TOTAL NUMBER OF OBS: 80

PCT FREQ NH <5/81 77.5

1.

TABLE 74

### PERCENTAGE FREQ OF LCW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBSS 3.3 14.3 24.1 21.7 9.8 4.9 6.5 5.4 6.5 .0 92

PAGE 184

VSBY			NE	E	SE	S	5¥	×	NW	VAR	CALM	PCT	TOTAL
(NH)			146	٠	30	•		-		VAN	CALE		OBS
	PCP	٠,	.0	•0	•0	.0	.0	.0	.0	.0	•0	.0	
<1/2	NO PCP	. 3	.0	.0	.0	•0	.0	.0	.3	.0	•0	.6	
	TOT %	.3	.0	•0	•0	•0	•0	.0	.3	•0	•0	.6	
	PCP	.6	.0	.0	.0	.0	•0	.0	.0	.0	•6	٠.	
1/261	NO PCP	.c	.c	•0	.0	•0	.^	.0	•0	.0	•0	.0	
	101 \$	.6	.0	40	.0	•0	•0	•0	•0	•0	•0	.6	
	PCP	.0	.0	.0	.3	.3	•0	• 2	.0	.0	.0	.6	
1<2	NO PCP	•0	.6	•0	.6	• 0	• 0	.0	•0	.0	•6	1.7	
	10f %	.0	٠.	• n	.9	.3	•0	.0	•0	• •	•6	2.3	
	PCP	.6	.0	٠٥	.0	.3	. 3	.0	.c	.0	.0	1.1	
2<5	NO PCP	.c	.0	.0	.0	.4	• 1	•0	•0	.0	•0	1.1	
	TOT \$	.6	.0	.6	.0	•7	. 4	.0	.0	.0	•0	2.3	
	PCP	.0	.3	.3	.6	.3	. 3	1.7	.0	.0	.0	3.4	
5<10	NO PCP	2.0	4.3	6.0	4.0	2.9	5.5	1,4	• 9	•0	1.7	28.7	
	TOT %	2.0	4.6	6.3	4.6	3.2	5.7	3.2	.9	•0	1.7	32.2	
	PCP	.0	.6	.0	.6	. 3	.3	.0	.6	.0	•0	2.3	
10+	HO PCP	3.9	5.5	10.8	16.3	4.9	6.3	5.3	1.9	.5	3.4	59.8	
	TOT \$	1.9	6.0	10.8	17.4	5 • 2	6.6	6.3	2.4	.0	3.4	62.1	
	TOT DES												174
	TOT PCT	7.3	11.2	17.7	22.8	9.3	12.6	9.5	3.6	.0	5.7	100.0	

TABLE 9

						ARYING							_
VSBY (NH)	SPD KTS	N	NE	£	SE	\$	SW	W	NW	VAR	CALH	PCT	TOTAL UBS
	0-3	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	•0	•0	.0	.0	.0	.0		.0	
	11-51	.1	•0	•0	.0	•0	.0	• ?	. 1	.0		.2	
	22+	.0	.0	• 0	.0	•0	.0	.0	•0	.0		,0	
	TOT %	.1	•0	•0	•0	•0	.0	•0	.1	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	. 2	•0	•0	•0	•0	.0	• 0	•0	.0		.2	
	11-21	.0	•0	•0	• C	•0	.0	.0	•0	٠.		.0	
	22+	.0	•0	•0	.0	•0	.0	•0	•0	.0		٠.	
	<b>TOT %</b>	.2	•0	•0	•0	•0	.0	•0	.c	.0	•0	.2	
	0-3	.0	•0	•0	•0	.0	.0	.0	.0	.0	.2		
1<2	4-10	.0	.5	• 1	.5	• 1	•0	.0	.0	•0		1.2	
	11-21	.0	.0	•0	.0	•0	.0	•0	•0	.0		.0	
	22+ TOT \$	٠,	.0	•0	٠.	•¢	-2	.0	•^	٠,٥	_	. • 2	
	101 *	.0	.5	•1	.5	•1	.2	.0	•0	.0	.2	1.7	
	0-3	.2	.0	. 2	-1	.1	.0	•0	.0	.0	.2		
2<5	4-10	.0	•0	• 1	.5	• 4	٠2	•0	.0	.0		1.2	
	11-21 22+	•0	•0	•0	••	•0	•0	•ŏ	.0	•0		.0	
	TOT X	.0	•0	•0	.0	•0	.0	•0	.0	•0	_	.0	
	101 *	• •	.0	••	.6	.5	.2	.0	.0	.0	•2	2.2	
	0-3	-1	.0	•2	.2	. 5	. 5		-1	.0	.7		
5<10	4-10 11-21	• •	1.7	2.3	2.3	1.3	2.1	1.3	. 5	٠.		11.0	
		. 5	.5	• 7	.5	,2	. 6	.5	.1	۰.		3.9	
	22+ 101 \$	0	0	0	0	0	0	0	• 2	٠.٥	_	0	
	101 4	1.0	2.2	3.3	3.0	2.1	3.4	2.1	.7	.0	.7	18,4	
	0-3	1.4	1.7	2.1	2.1	1.9	.9	1.2	1.3	.0	6.0		
10+	4-10	2.5	3.9	9.5	17.0	7.1	4.0	4.0	2.1	.0		50.0	
	11-21	٠,	.6	1.2	3.7	•	. 1	.6	• •	.0		8.2	
	22+	0	0	• 0	5	0	.0	0	.0	•0		5	
	TOT %	3.9	6.2	12.7	23.4	9.0	5.8	5.8	3.7	.0	6.0	77.3	
	Cau To							• •		_			414
	TOT PCT	5.5	8.8	16.5	27.5	12.5	9.6	7.9	4.5	.0	7.2	100.0	

HAY

PERIOD: (PRIMARY) 1891-1972 (OVER-ALL) 1856-1972

TABLE 10

AREA 0003 SUNDA STRAIT 5.55 104.8E

## PERCENT FREQUENCY OF CEILING HEIGHTS (FEET/NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	150 299	300 599	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	2000+	JATOT	MH <5/8 ANY HGT	TOTAL 985
00803	.0	.0	.0	10.5	10.5	10.5	5.3	.0	٠.	.0	36.8	63.2	19
06609	.0	.0	•0	• •	5.3	4.2	.0	• າ	. n	•0	12.5	87.5	24
12615	.0	.0	.0	4.0	12.0	4.0	٠.	.0	.0	•0	20.0	80.0	25
18421	.0	.0	.0	•0	.0	14.3	.0	.0	•0	.0	14.3	85.7	21
TOT	ں .0	0	0	3.4	7.9	7.9	1.1	0	0	0	19	71 79.8	89 100-0

TARLE 11

TABLE 12

PERCENT FREQUENCY VSSY (NM) BY HOUR								CUMULAT					VSBY (NM) 138Y HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	147	2<\$	5<10	10+	TOTAL OBS	HOUR (GPT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	1.9	1.3	20.8	76.6	77	00603	•0	.0	11.8	29.4	58.8	17
06609	.0	.0	1.6	.0	13.0	85.4	123	90360	•0	.0	.0	13.6	86.4	22
12615	1.1	.0	2,3	6.8	18.2	71.6	88	12615	•0	.0	9.1	18.2	72.7	22
18821	.0	.7	2.2	1.5	22.4	73.1	134	18621	.0	.0	.0	15.8	34.2	19
TOT	1	1	1.9	9 2.1	78	325 77-0	422	707 PCT	0	0	5.0	15	76.3	80

TARLE 13

TABLE 14

PERCENT FREQUENCY OF MIND DIRECTION BY TEMP

N NE E SE S SM W NW VAR CALF

.4 3.4 3.4 2.1 1.5 2.1 .0 .9 .0 .9

2.6 8.6 13.4 18.2 7.1 10.0 11.3 1.9 .0 6.6

.0 .0 .9 1.7 ,9 .0 .0 .0 .0 .0

PERCENT FREQUENCY OF RELATIVE HUMIDITY 8Y TEMP
TOTAL PCT
TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREQ

85/89 .0 .0 .0 .0 1.7 8.5 4.3 .9 18 15.4
80/84 .0 .0 .0 .0 .4 4.3 19.7 45.3 12.0 95 Fl.2
75/79 .U .0 .0 .0 .0 .0 .0 .9 26.6 4 3.4
TOTAL 0 0 0 0 7 33 59 18 117 100.0
PCT .0 0 0 0 0 78.2 50.4 15.4

TAPLE 15

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

MEANS,	EXTREME	ES AND	PERCE	ITILFS	OF TE	1P LOE	G F) B	Y HOUR
HAX	99%	95%	50%	5%	12	MIN	MEAN	TOTAL
86	85	85	82	79	77	77	82.1	161
								476
							82.9	198
							81.9	401 1236
	86 94 87 88	HAX 99% 86 85 94 91 87 86 88 86	HAX 99% 95% 86 85 85 94 91 89 87 86 86	HAX 99% 95% 50% 86 85 85 82 94 91 89 84 87 86 86 83 88 86 85 82	MAX 99% 95% 50% 5% 80 85 85 82 79 94 91 89 84 81 87 86 86 83 80 88 86 85 82 79	MAX 99% 95% 50% 5% 1% 80 85 85 82 74 77 94 91 89 84 81 78 87 86 86 83 80 79 88 86 85 82 79 77	MAX 99% 95% 50% 5% 1% MIN 80 85 85 82 79 77 77 94 91 89 84 81 78 75 87 86 86 83 80 79 77 88 86 85 82 79 77 75	MAX 99% 95% 50% 5% 1% MIN MEAN 80 85 85 82 79 77 77 82.1 94 91 89 84 81 78 75 84.4 87 86 86 83 80 79 77 75 81.9 88 86 85 82 79 77 75 81.9

 $\mathbf{c} = \mathbf{c}$ 

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL OBS 000203 .0 .0 3.8 26.9 53.8 15.4 82 26 006209 .0 .0 19.2 38.5 34.6 7.7 78 26 12215 .0 .0 2.9 38.2 47.1 11.8 81 34 1821 .0 .0 .0 18.9 56.8 24.3 85 37 TOT 0 0 7 77 76 00 19 82 123

PAGE 186

) f j

PERIOGI (PRIMARY) 1891-1972 (OVER-ALL) 1856-1972

TABLE 17

AREA 0003 SUNDA STPAIT 5.55 104.8E ITHOUT PRECIPITATION)

PCT	FREQ	0F	AIR	TEMPERATURE	(DEG	F)	AND	THE	DCCURRENCE	QF.	FDG	CHITHOUT	PRECIPITATION	1)
				VC 410	-CEA	TC	MDEOA	T118	BIEEEDENCE		ec e			

IR-SEA	77	81	85	89	TOT	w	нΩ
THP DIF	ėo	84	88	92		FÖG	=06
6	.0	.0	.0	.6	1	.0	.6
4	.0	.6	.6	• 0	2	.0	1.3
3	. 5	.6	.0	.0	2	.0	1.3
2	.0	8.4	2.6	. 6	18	.0	11.6
1	.0	1.3	3.9	•^	8	. 5	5.2
1 0	.6	12.3	3.9		26	.0	16.8
-1	.6	11.6	3.4	.0	24		15.5
-3	1.3	14.8	1.9	ŏ	28		18.1
-2 -3		6.5	1.3	. 6	13	.c	8.4
-4	3.9	6.5	٠.۵	.0	17	.0	11.0
-5	3.9	2.6	.6	č	ii	ŏ	7.1
-6		6		.0	·i	.0	
							.6
-7/-8	1.9	•6	.0	•0	4	.0	2.6
TOTAL	21		29			0	155
		103		2	155		
PCT	13.5	22.5	16.7	1.3	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS) AND DI	RECTION	VERSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-	4-10	11-21	27-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	•0	2.1	•	2.6	.0	•0	•0	.0	2.6
1-2	.0	.0	•0	.0	.0	•0	.0	2.		.0	.0	.0	.0	6.8
3-4	.0	.0	.0	.0	.0	.0	.0	•		2.1	.0	.0	.0	2.1
5-6	.0	.0	•0	•0	.0	•0	•0	•		•0	•0	•0	.0	•0
.7_	• 2	.0	•0	•0	.0	•0	•0	•		.0	.0	•0	.0	.0
8-9	.0	.0	•0	•0	•0	•0	•0	•		.0	•0	•0	.0	•0
10-11	.0	.0	•0	•0	•0	•0	•0	•		.0	•0	•0	•0	•0
12 13-16	•0	.0	•0	•0	.0	•0	•0	•		•0	•0	•0	•0	•0
17-19	.0	.0	•0	•0	.0	•0	•0	•		.0	•0	•0	•0	•0
20-22	.0	.0	•0	•0	•0	•0	•0	•		•0	•0	•0	.0	•0
23-25	.0		•0	•0	.0	•0	•0	•		•0	•0	•0	•0	•0
26-32	.0	.ŏ	•0	.0	.0	.0	.0	•		•0	•0	•0	•0	.0
33-40	.ŏ	.ŏ	.0	.0	.0	.0	.0			•0	•0	•0	.0	•0
41-48			•0		.0	.0				•0	•0	•	.0	•0
49-60	.0		•0		•0	••	.0			•0	.0	•0	.0	•0
61-70	.ŏ	.0	•0		.0		•0			.0	•0	•0	.ŏ	•0
71-86	.0	.0	•0	•0	.0	•0	.0	Ţ		.0	.0	•0	.0	ě
<b>27</b> +	.0	.0	•0	.0	.0	•0	•0				.0	.0		ě
TOT PCT	.0	2.1	.0	•0	.0	.0	2.1	2.			•0	.0	.ŏ	11.3
											•••	• • •	• • •	••••
				F							SE	<b>-</b>		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-		11-21	22-33	34-47	48+	PCT
<1	2.1	3.6	•0	.0	.0	.0	5.7	2.		.0	•0	•0	•0	5.2
1-2	٠.	7.8	•0	.0	.0	•0	7.6	•		2.1	.0	• • •	.0	12.5
3-4 5-6	.0	.0	•0	.0	.0	.0	.0	•	2.6	6.3	~·0	•0	•0	8.9
7	.ŏ	.0	.0	.0	.0	.0	.0	:		2.1	2.1	•0	.0	4.2
8-9		.ŏ	.0	.0	.0		.0	:		.0	.0	•0	.0	•0
10-11	.0	.ŏ	.0	.0		:0	.0	:		2.1	.0	.0	.0	2.1
12	:0	.ŏ	.0	•0				:			.0	.0	.0	·
13-16	ŏ	.ŏ	.0	.0	.,		.0	:		.0	.0	ě	.0	.0
17-19			.ŏ		.6	.0		:		.0			.č	٠٥
20-22	, ò	.0	.0	.0	.0		.0	:			•0	.0		.0
23-25	.0	.0	.0	•0	.0	.0	•0				.0	•0		
26-32	.0	.0	.0	.0		.0	.0				.0	•0	.0	•0
33-40	.0	.0	.0	.0	.0	•0	.0	·			.0	•0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		0 .0	.0	•0	.0	.0	.0
49-60	.0	.0	•0	.0	.0	.0	.0	•	0 .0	.0	.0	•0	.0	•0
61-70	•0	.0	.0	.0	.0	.0	•0				•0	•0	.0	.0
71-86	.0	.0	•0	.0	.0	.0	.0	•	0 0	.0	.0	•0	.0	.0
87+	.0	.0	•0	•0	.0	.0	.0				.0	•0	•0	.0
TOT PCT	2.1	11.5	•0	•0	.0	•0	13.5	2,	6 13.6	12.5	2.1	•0	.0	32.8

									~AY							
PERILD:	(DVE	I-ALL)	1963-1	972				TABLE :	6 (CONT	,			AREA		SUNDA S 55 104	
				PC	T F4.	F WIND	SPEED	(KTS) A	ND DIREC	TION V	ERSUS S	EA HFIG	HTS (FT	,		
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	SW 22-33	34-47	48+	PCT	
<1	1.6	3.6	.0	.0	.c	•0	5.2		.0		.0	.0	•0	.0	.0	
1-2		5.7	.0	.0	.0	•0	5.7		• 0	3.0	.0	•0	•0	•0	3.6	
3-4	.0	1.6	.0	•0	.0	.0	1.6		•0		.0	•0	•0	.0	.0	
5-6	.0	.0	.0	•0	.0	.0	.0		• 0	• 0	.0	-0	•0	•0	.0	
7	•0	.0	.0	•0	.0	•0	•0		• 0	•0	٥.	•0	•0	.0	.0	
8-9	.0	.0	.0	•0	.0	•0	•0		•?	•0	•0	•0	•0	-0	•0	
10-11	•0	.0	•0	•0	• 2	•0	•0		•0	• 0	.0	•0	•0	•0	.0	
12	•0	.0	•0	•0	.0	•0	•0		.0	.0	٥.	.0	•0	.0	.0	
13-16	.0	•0	•0	•0	.0	•6	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	•0	• • • • • • • • • • • • • • • • • • • •	.0	•0	.0					•0	•0	.0		
20=22 23=25	.0	.0	•0	.0	.0	:0	.0		ě	.ŏ	ŏ	•0	.0		.ŏ	
25-23	.0	.0	.0	•0	.0		.0		ŏ	.0	.0	.0	•0		.6	
33-40	.0		.0	.ŏ	·ŏ	.0	ě		.0	.0	.0	•0	.0	.0	.0	
41-46	.ŏ	.ŏ	.0	.ŏ			.0		.0	ŏ	.0	•0	•0	.0	.0	
49-60	.0	.0	.0	,0	.0	•0	.0		.0	.0	.0	.0	•0	.0	.0	
61-70	. 3	ō	.0	.0	.0	•0	.0		.0	.0	.0	•0	•0	.0	.0	
71-86		.0	.0	•0	.0	.0	.0		.0	.0	.0	•0	•0	.0	.0	
87+	. 0	• 0	.0	.0	.0	.0	.0		•0	.0	.0	•0	•0	.0	.0	
TOT PCT	1.6	10.9	•0	.0	.3	•0	12.5		•0	3.4	•0	•0	•0	••	3.6	
				¥								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	•0	.0	.0	.0		2.1	.0	.0	•0	•0	.0	2.1	
1-2	. 0	7.3	.0	• 0	.0	•0	7.3		.0	.0	.0	.0	•0	.0	.0	
3-4	. 0	.0	2.1	.0	.0	.0	2.1		•0	.0	.0	•0	•0	.0	•0	
5-6	.0	.0	.c	•0	.0	.0	•0		•0	.0	.0	.0	• 5	.0	.0	
7	٠.	.0	•0	•0	.0	.0	.0		•0	•0	.0	•0	•0	.0	.0	
8-9	.0	.0	.0	٠.	.0	•0	.0		•0	•0	.0	.0	•0	٠,	.0	
10-11	.0	.0	•0	•0	•0	•0	•0		•0	.0	.0	•0	•0	.0	.0	
12	. 0	.0	•0	•0	••	.0	•0		• • • • • • • • • • • • • • • • • • • •	.0	.0	•0	•0	.0		
13-16 17-19	• ×	•0	•0	.0	.0	•0	ù.		ŏ	.0	:0	.5	.0			
20-22	.0	.0	.0	.0	.0	.ŏ	.0		ő	.0	ö	.0	.0	ŏ		
23-25	.0	.0	.0	.0	.ŏ		.0		ໍ້າ	.0	5.		.0	.0		
26-32	.5		.0	.0	.ŏ		.0		. 0	.0	.5	.0	• 0	.0		
33-40	:5	.0	.0		.ŏ				ŏ	.0	.0		•0	.0		
41-48	.ŏ	.0	ő		.0				.0	.0	.0	.0	•0	.0		
49-60	.č	.0	.0		.0		.0		.0	.0	.0	.0	•0	.0		
61-70	Ö	.0	.0		.0		.0		.0	.0	.0	.0	•0	.0		
71-86	. 0	.0	.0	.0	.0		.0		•0	•0	.0	•0	•0	•0		
87+	.0	.0	.0		.0		.0		.0	•0	.0	.0	•0	.0		
TOT PCT	.0	7.3	2.1	.0	.0	•0	9.4		2.1	.0	.0	•0	•0	•0	2.1	87.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HOT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	20.8	14.6	.0	.0	.0	.0	35.4	383
1-2	2.1	39.6	2.1	č	.0	.0	43.1	
3-4		4.2	10.4		.0	.0	14.6	
5-6	.ŏ		2,1	2,1	•0	•0	4.2	
770	.0	.0	-:0			.0	.0	
8-9	.0	.0	.0		.0	.0	.0	
10-11		ŏ	2.1		.0	.0	2.1	
12	.0	.0				, 0	.0	
13-16	.ŏ	•0		.0	.0	.0		
17-19	.ŏ	ĭŏ			.0		.0	
20-22	.0			ě		. 0	.0	
23-25	.0		.0	o		.0	.0	
20-32	.0	.0		. 0	•0	.0	.0	
33-40	.0	.0	.0		.0		.0	
41-48	.0		.0		.0		.0	
49-60	.0		.č				.0	
61-70		.0					.0	
71-86	.0	.0	.0			.0	.0	
87*	.0	.0	.0				.0	
3,-	,,	••	•••	•••			•••	48
TET PET	22.9	58.3	16.7	2.1	.0	.0	100.0	

PERIO	D: COV	ER-ALL	194	9-197	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF W	VE HEI	GHT (F	t) VS	WAVE P	ERIGO	(SECON	(20						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	13	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
(SEC)	12.3	33.8	7.7	4.6	.0	.0	.0	. (		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	2
6-7			7.7	9.2	1.5	.0					.0	.0	.0			.0	.0	.0	.0	12	4
6-7 8-9 10-11	.0		1.5		1.5	.0					:0	.0	.0			.0	.0	.0	.0	3	7
10-11	.0	.0	1.5	.0	.0	.0		. (			:0	.0	.0	•0	.0	۰.	.0	.0	.0	1	3
12-13	.0	.0	.0	.0	.0	.0	.0		٥. (	.0	:0	.0	.0	.0	.0		.0	.0	.0	0	
>13	• 0	.0	.0	.0	.0	.0		. (	٥, (	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
INDET	9.2	3.1	3.1	1.5	.0	.0	.0		) .0	.0	:0	.0	.0	• • • •	• • • •	۰.		.0	.0	11	1
TOTAL	14	24	14	10	2	0	1	- (	0	0		0	0	. 0	. 0	0	0	0	0	65	3
PCT	21.5	34.9	21.5	15.4	3.1	.0	1.5	. (	• • •	.0	.0	.0	.0	• • •	••0	.0	.0	.0	•0	100.0	

PAGE 188

(3)

€ €

PERIOD: (PRIMARY) 1885-1971 (OVER-ALL) 1855-1971

TABLE 1

AREA 0003 SUNDA STRAIT 5.65 104.8E

PERCENT FREQUE	CY OF	WEATHER	OCCURRENCE	BY	MIND	DIRECTION
----------------	-------	---------	------------	----	------	-----------

			P	RECIPI	TATION	Y TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	PAIN SHWR	OR7L	FRIG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FAG WO PCPN	FOG WD PCPN PAST HR	SHOKE	SPRA BLWG D BLWG S	UST SIG
N NE SE S S H War Var Calm	.0 .0 2.2 2.8 .0 8.7 .0	.0 .0 3.5 .0 5.9 13.0	.0	.0	00000000000	.0	.00.00.00.00	.0 .0 5.8 2.8 5.9 21.7 .0	.0 5.5 2.8 .0 .0 .0 .0	.0 1.4 11.5 .0 11.8 6.7 .0	.0 5.5 2.8 .0 3.7 .0	.0	.0 .0 3.5 .0 .0	•	0 89.0 0 93.0 0 81.0 0 93.6
TOT PCT TOT CBS:	2.2 178	2.2	.0	.0	•0	•0	.0	4.5	1.1	5.6	1.7	•0	1.1	•	0 86.5

TABLE 2

#### PERCENT FREQUENCY OF WEATHER DECURRENCE BY HOUR

			,	RECIPI	DITAT	N TYPE					STHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	BRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG ND PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	2.5 .0 .0 5.8	5.0 2.2 2.1	.0 2.2 .0	.0	.0 .0	.0	.0 .0 .0	7.5 4.3 2.1 5.8	2.5 .0 2.1	.0 6.3 13.5	.0 2.1 3.6	.0	•0 •0 ••2 •0	•0	90.0 95.7 83.3 78.8
TOT PCT TOT OBS:	2.2 186	2.2	.5	.0	•0	•0	•0	4.4	1.1	5.4	1.6	•0	1.1	•0	86.6

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	C SPE	ED (KNO	TS 1								HOUR	(GHT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	44+	TOTAL Das	PCT FREQ	MEAN SPC	00	03	Cé	09	12	15	18	21
N Ne F	1.1 2.1	2.7 5.2 11.8	.3 1.3 4.2	.0	.0	.0		3.7 7.6 18.5	6.0 7.5	2.5 8.2 19.3	20.0 20.0	3.1 8.6 21.6	6.4 10.1 17.5	4.0 9.5 17.6	•0 •0	3.2 4.4 14.5	4.3 5.6 19.4
S E S	3.0	17.9	12.0	1.5	.0	.0		34.4	10.0	40.4			32.8	33.5	30.0	33.7 17.4	34.2 13.3
Sw W Nu	1.6	2.9	1.1	•0	.0	••		4.7	7.0 7.4 7.6	5.3 3.5	20.0	5.4	7.5 5.5	3.6 5.2	20.0	3.5	3.8
VAR CALM	1.0 .0 8.2	2.2	.7	.0	.0	.0		4.1 .0 8.2	.0	4.2 .0 5.7	•0	4.9 .0 10.2	5.8 .0 8.6	2.6 .0 11.4		4.8 .0 6.2	2.0 .0 7.1
TOT CBS	260	685 53.5	308 24.0	26 2.2	.0	0.	1281	100.0	8.0	192	100.0	294	163	:93	10	226	198

TABLE 3A

WHD DIR	0-6	WI40 7+16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	HEAN SPD	00 03	HQUA 06 09	(GHT) 12 15	18 21
N NE E Se Sw	2.6 3.6 7.3 11.4 4.6 3.8	1.0 3.7 9.9 17.8 5.8 2.7	.1 .3 1.2 5.0 1.5	.0 .0 .2 .0	.0		3.7 7.6 18.5 34.4 11.9 6.8	6.0 7.5 8.4 1G.0 8.9 7.0	2.4 8.5 19.3 40.4 10.7 5.2	4.3 9.1 20.1 32.8 8.4 5.0	3.8 9.0 17.0 33.4 13.7	3.7 5.0 17.0 34.0 15.4
VAR VAR CALM TOT ORS TOT PCT	2.1 2.2 .0 8.2 588 45.9	2.5 1.4 .0 575 44.9	.1 .5 .0 115 9.0	.0 .0 .0	.0	1281	4.7 4.1 .0 8.2	7.4 7.8 .0 .0	4.1 .0 5.6 197	5.4 5.3 .0 9.6 497 100.0	5.9 3.0 .0 10.8 203 100.0	3.7 3.5 .0 6.6 424 100.0

PERIOD: (PRIMARY) 1885-1971 (OVER-ALL) 1855-1971

TARLE 4

AREA 0003 SUNDA STRAIT 5.65 104.85

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HUUR	CALM	1-3	4-1C	11-21	22-33	34-47	48+	MEAN	FREG	DBS
00603	5.6	11.2	51.3	29.9	2.0	.0	.0	8.5	100.0	197
06609	9.6	13.3	51.6	23.4	2.0	.0	.0	7.7	100.0	457
12615	10.8	12.8	57.7	22.2	1.5	.0	.0	7.6	100.0	203
18621	6.6	10.8	56.8	22.9	2.8	.0	.0	8.2	100.0	424
TOT	105	155	585	308	28	٥	Э	3.0	-	1281
PCT	6.2	12.1	53.5	24.0	2.2	.0	.0		100.0	•

TABLE 5

TABLE 6

	PCT FRE			CLOUP A		(EIGHTHS)							CEILIN					
MND PI	R 0+2	3-4	5-7	J & OBSCD	TCTAL GBS	KEAN CLOUD COVEP	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	.0	•0	1.9	•0		6.0	•0	• 0	.0	.0	.0	1.0	.0	•0	.0	.0	1.0	
NE	3.9	5.2	.3	2.9		3.9	•0	•0	.0	. 3	1.3	.0	.0	•0	• 1		10.7	
E	4.9	5.2	6.5	3.6		4.5	•0	• 0	.0	2.3	.0	2.6	.e	•0	.0	.0	15.3	
šŧ	10.4	•.1	13,3	2.3		3.9	•0	•0	.0	.3	2.9	1.9	1.3	•0	•0	.0	28.6	
Š	5.5	3.9	3.2	1.6		3,5	•0	• 0	. 0	1.0	1.0	.6	٠.0	•0	• 0	.0	11.7	
ŠW	.0	.0	2.9			6.6	•0	. n	'n	1.3	1.3	.0	.0	•0	•0			
ŭ.	1.3	.0	2.6			5.3	•0	•0	1.3	.0	.0	.0	.0	•0	•0	.0	3.6	
йн		.0	.3	1.3		7.4	•0	.0	1.3	.0	.0	. 3	.0	•0	.0	.0		
VAR		.0		•0		.0	•0	.0	.0	.0	.0		.0	•0	•0	.0		
CALH	.0	1.3	3.0			5.2	•0	.0	.0	.0	2.6	.0	.0	•0	•0			
TOT GA		19	27	11	77	4.3	ň	0	• 2	4	7	• •	'i		ő	*6	- 5 ě	77
TOT PC		24.7	35.1		100.0	***	•ŏ	•0	2.6	5.2	9.1	6.5	1.3	•0	•ŏ	•ŏ		100.0

TARLE 7

CUMULATIVE PCT	FREG OF	SIMULTANE	DUS OCCURRENCE
OF CEILING HE	IGHT (N	H >4/81 AN	O VSBY (NM)

				VSBY (NH	)			
CEILING	- OR	* DR	■ DR	= CR	• DR	■ CR	= OR	• OR
(FEFT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	٠.	•0	.0	.0	.0	.0	.0	.0
■ DR >5000	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
■ DR >2000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
. DR >1000	15.0	16.3	16.3	16.3	16.3	16.3	16.3	16.3
■ DR >600	18.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5
€ DR >300	21.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0
■ DR >150	21.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0
• DR > 0	21.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0
TOTAL	17	20	20	20	20	20	20	20

TOTAL NUMBER OF OBS: 80

•

 $\mathbf{c}$ 

PCT FREQ NH <5/8: 75.0

1 .

TABLE 74

#### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

SEC	CBSCD	8	7	6	4	4	3	2	1	0
AA	.0	5.7	3.4	6.8	8.0	12.5	19.3	22.7	14.8	6.8

PERIOD:	(PRIMARY)	1885-1971
	/BUEB-ALL Y	1055-1071

TABLE 6

AREA 0003 SUNDA STRAIT 5.65 104.8E

					• • • • • •	ION MIT			•				
VSBY (NR)		k.	NE	E	SE	s	SH	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	• 0	.0	.6	•0	.0	.0	.6	
<1/2	NO PCP	.0	. 2	.6	.0	.0	• 0	•0	•0	٠.	.0	.6	
	TOT %	.0	.0	.6	.0	•0	•0	.6	•0	.0	.0	1.1	
	PCP	٠.	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0	
1/2<1	NO PCP	.0	.0	•0	.0	•0	٠.	٠.	•0	.0	.0	.0	
	TOT %	.0	.0	•0	.0	•0	•0	.0	•0	•0	•0	•0	
	PCP	.0	.0	.0	.0	•0	•0	•0	•0	.0	.0	.0	
1<2	NO PCP	.0	.0	•0	.0	•0	• 0	•0	•0	.0	•0	.0	
	TOT \$	.c	.0	.0	.0	•0	•0	.0	•0	.0	• 0	.0	
	PCP	.c	.0	.0	.0	.0	•C	.c	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	1.4	2.7	• 6	• 0	•0	•0	•0	.0	4.0	
	TOT \$	.0	.0	1.4	2.0	.6	•0	.0	.0	.0	•0	4.0	
	PCP	.0	.0	.0	1.8	.4	. 3	. 6	.0	.0	.6	4.0	
5<10	40 PCP	1.1	2.5	4.8	4.2	5.4	1.6	1.8	. 11	•0	. 6	23.2	
	TOT \$	1.1	2.5	4.8	6.1	5.8	2 • 1	2.7	, я	•0	1.1	27.1	
	PCP	.0	0	.0	.0	•0	• 2	.0	.0	.0	.0	.0	
10+	NO PCP	2.1	7.8	13.5	23.9	9.0	2.7	3.2	1.8	•0	4.0		
	TOT \$	2.1	7.0	13.3	23.9	9.0	2.7	3,2	1.8	.0	4.0	67.9	
	TOT OBS							_					177
	TOT PCT	3.2	10.3	20.1	31.9	15.4	4.8	6.5	2.7	.0	5.1	100.0	

TABLE 9

VSBY	SPD	N	NE	E	SE	5	SW	#	NW	VAR	CALH	PCT	TOTAL
(NH)	KTS	••		-		-	•			•		. • .	Das
	0~3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.3	. 3	.3	.G	•0	.0	.0		.8	
	11-21	.0	٠.	.0	.0	.0	.0	.3	٠,	.0		.3	
	22+	.0	٠.	•0	•0	•0	.0	۰,٥	.0	.0	_	0	
	TOT %	.0	.0	.3	.3	.3	.0	. 3	•0	.0	•0	1.1	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	•0	.0	
1/2<1	4-10	.0	.0	•0	•0	•0	.0	.0	.0	.0		•0	
	11-21	.0	.0	•0	.0	•0	.0	•0	.0	.0		.0	
	24+	.0	.0	•0	•0	•0	٠.٥	۰۰	.0	٠,٥		•0	
	TOT \$	•0	.0	•0	•0	.0	.0	•••	٠.	.0	•0	•0	
	0-3	•0	.0	•0	.0	.0	.0	• 0	.0	.0	.0	.0	
1<2	4-10	•0	٠.٥	•0	• 1	• 1	· u	.0	•0	.0		.3	
	11-21	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	22+	٠0	• 0	•0	• 0	• 0	٠٥	.0	.0	•0		:3	
	TOT %	.0	.0	•0	•1	.1	.0	••	.0	•0	•0		
	0-3	•0	.0	.3	.3	.3	٠,	•0	.0	.0	•0		
5<>	4-10	•0	.0	• •	•7	٠,٥	.0	•6	٠,	•0		1.1	
	11-21	٠٥.	• 0	•0	•0	, č	٠.	-1	.1	•0		• *	
	22+ TOT \$	.0	.s	.0 .7	•0	.0	.0	•0	.0	.0	.0	2.1	
	101 3	.0	.0	• ′	• *	••	.0	••	••	••	••		
	0-3	.0	.1	.7	.0	.1	.2	.6	.4	.0		2.9	
5<10	4-10	.5	1.1	1.3	2.3	2.1	. 8	.7	.3	.0		9.1	
	11-21	.5	.4	.6	1.5	1.4	.0	.0	.4	.0		4.8	
	22+	0	.0	0	0	0	0	. • 0	0	.0		0	
	TOT \$	1.1	1.6	2.5	3.8	3,7	1.0	1.3	1.1	.0		16.7	
	0-3	.4	1.3	2.0	1.9	.3	. 5	. 9	.4	.0	5.9	13.7	
10+	4-10	2.6	4.4	9.9	18.8	7.3	2.5	2.2	1.9	٠,٥		49.6	
	11-21	٠٥.	• •	2.7	9.9	2.3	.5	.0	.0	٠,٥		15.	
	22+	3.0	.0	3	3	• 0	0	3.2	2.3	.0	5.9	79.5	
	TOT \$	3.0	6.1	14.8	30.8	9.9	3.6	7.2	2.,	.0	3.7	77.0	
	OT DBS												37
1	TOT PCT	4.1	7.7	18.3	36.0	14.3	4.6	4.8	3.6	.0	6.7	100.0	

PERIOD: (PRIMARY) 1865-1971 (OVER-ALL) 1855-1971

TABLE 10

AREA 0003 SUNDA STRAIT 5.65 104.8E

## PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 <b>3499</b>	1500 4999	5000 6499	6500 7999	8000+	TOTAL	HH <5/8 ANY HGT	TOTAL DBS
60300	.0	.0	4.2	8.3	12.5	4,2	4.2	.0	.0	•0	33.3	66.7	24
90300	.0	.0	5.0	5.0	10.0	10.0	.0	.0	.0	•0	30.0	70.0	20
12615	.0	•0	•0	•0	•0	5.0	.0	.0	.0	•0	5.0	95.0	20
18621	.0	•0	.0	8.7	8.7	4.3	.0	.0	٠,	•0	21.7	78.3	23
TOT	0	0	2.3	5.7	7 8.0	5.7	1.1	0	٠ . ٥	0	20	67 77.0	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y V\$8Y	(NK)	BY HOUR	i	COMULAT					1378A HUNS AZBA (MM)	
HOUR (GMT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TGTAL CBS</th> <th>HOUR (GHT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL DBS</th>	2<5	5<10	10+	TGTAL CBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
60300	1.5	.0	.0	3.0	22.4	73.1	67	E0300	.0	4.2	12.5	8.05	66.7	24
90360	.9	.0	•0	1.8	15.5	81.8	110	90360	•0	5.3	15.8	21.1	63.2	19
12615	1.2	1.2	1.2	3.7	13.6	79.0	81	12615	.0	.0	.0	6.3	93.8	16
18621	.*	.0	.0		20.2	78.2	124	18621	•0	.0	9.5	14.3	76.2	21
TOT PCT	1.0	.3	.3	8 2.1	68 17.8	300 78.5	382 100.0	TOT PCT	.0	2.5	10.0	13 16.3	59 73.8	80 100.0

TARLE 13

TABLE 14

	PERCE	ENT FR	EQUENCY	YOFR	ELATIV	E HUMI	DITY BY	Y TERP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	8 Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		PREG	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89 80/84 75/79 TOTAL	.0	.0	.0 .0	.0	1.8		40.2	.0 9.8 2.7	91 8	11.6 81.3 7.1 100.0	4.5	11.6	3.6 19.0	6.3 22.3 1.1	13.4 2.0	2.9 1.3	.0 1.6 1.8	.0 .9 .0	.0 .0	5.4 .0
PCT	.0	•0	•0	•0	5.4	35.7		12.5	300		4.5	13.2	23.4	29.7	15.4	4.2	3.3	.9	.0	5.4

TABLE 15

€

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEI	IP (DE	G F) 8	Y HOUR		PERC	ENT FRE	OUERCY	OF RELA	TIVE H	YTIGIHU	BY HOU	l .
HOUR (GHT)	MAX	994	95%	50%	54	1 %	HIN	HEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00203	88 94	86 90	85 87	82 83	78 79	77 76	76 73	\$1.5 \$3.5	192 441	£0300	•0	•0	24.0	23.3	63.3	13.3	84 77	30 25
12615	92 88	90 85	8¢	82 82	8C 78	79 75	77	82.7	200 412	12615 18621	.0	.0	•0	46.4	39.3	14.3	80 82	28 37
TOT	94	89	86	82	78	76	73	82.4	1245	TOT	ŏ	.0	•	45	55	14	81	150

PAGE 192

JUNE

PERIOD: (PRIMARY) 1865-1971 (OVER-ALL) 1855-1971

TABLE 17

APEA 0003 SUNDA STRAIT 5.65 104.8E

چە ئ

PCT FRFQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	85	89	TOT	₩	h0
THP DIE	80	84	38	92		FOG	FDG
7/8	.0	•0	.6	1.2	•	.c	1.9
6	.0	•0	.0	. 6	1	.0	.6
5	.0	.6	.6	1.2	4	.0	2,5
4	.0	•0	2.5	.0	4	.0	2.5
4	.0	.6	.0	٥	1	.0	.6
2	.6	3.1	2.5	.0	10	.0	6.2
ĩ	.0	4.9	.6	.0	9	. 6	4.9
ě	.6	15.4	3.1	ō	31	1.2	17.9
-1	. 6	11.1	1.9	Č	22	5	13.6
-2	2.5	16.0		ň	31	.ŏ	19.1
-3	3.7	8.0	.6	ő	20	.0	12.3
-4	2.5	3.1		ŏ	10	·ŏ	6.2
-5	1.9	4.3		č	10		
							6.2
-6	1.2	•6	.0	•0	3	٠.0	1.9
-7/-8	.6	•0	٠.0	•0	1	.0	.6
-9/-10	.6	.0	.0	.0	1	.0	.6
-11/-13	.6	.0	. 0	.0	í	.0	.6
TOTAL	25	•••	22	••	-	Ť	159
		110		5	162	•	•••
PCT	15-4	67.9	13.6	1.1	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 49-60 71-86 70 FCT 1-3 7000000000000000000 48.00.000.000.000.000.000.000 HGT
<1
1-2
3-4
5-6
7
8-9
10-11'
12
13-16
17-19
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87-70
71-70
71-70 4-10 11-21 .c 2.2 4.0 6.3 .0 .0 .0 .0 .0 .0 .0 1-3 

PERIOD	): (OVER-AL	L) 1	963-1971					JUNE						
						1	TABLE	18 (CONT)				AREA	0003	SUNDA SIRAIT
				PCT FREQ 0	F WIND	SPEED (	(KTS)	AND SIREC	TION V	ERSUS S	EA HEIG	475 (FT)	1	
HGT	1-3 4-	10 1	1-21 527-	13 14-47	48+	PCT		1-3	4-10	11-21	54 22m22	14-47	40.	

ngi	1-3	4410	11-21	27-33	34-47	46+	PCT	1-3	4-10		3,				
<1	.0	1.8	.0	.σ	.0	.0	1.8			11-21	22-33	34-47	48+	PCT	
1-2	.0	6.7	1.3	.0	٥			•¢	.4	.c	.0	.0	.0	.4	
3-4	.0	1.0	.,5			.0	8.0	.0	1.0	.0	.0	.0	.0	1.8	
5-6	.0			.0	•0	•0	1.8	.0	.0	1.8		·ŏ	·ŏ		
7		.0	3.1	.0	.0	.0	3.1	.0	. a					1.8	
	.0	.0	.0	.0	.0	.0	.0	ã	.õ			•0	.0	•0	
8-9	.0	.0	.0	.0	.0	.0	.ŏ			•0	.0	•0	.0	•0	
10-11	.0	.0	, 0	.5	.č			•0	٠,٥	.0		•0	.0	.0	
15	.0	.0	٥٠			.0	.0	٠.	.0	.0	.0	•0	.0	.0	
13-16	.o			.0	.0	.0	.0	.0	٠.	.0		.0	.0		
17-19			.0	.0	.0	.0	.0	.0	٥	.0				.0	
	.0	.0	• 0	.0	.0	.0	.0	.0			•0	•0	.0	•0	
20-22	.0	.0	.0	. 0	. 5	.0	.c	, C		•0	•0	•0	•0	.0	
23-25	.0	.0	.0	.0	,ŏ				.0	.0	.0	• C	.0	•0	
26-32	.0	.0	.0	.0			•0	.0	•0	•0	.0	•0	.0	.0	
33-40	.0	.0			.0	.0	.0	٠,٥	.0	.0	.0	• 0			
41-48	.0		•0	.0	.0	.0	.0	.0	.0	.0	٥.	•0		•0	
		.0	.0	.0	.0	.0	.0	٥	.0				•0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	ŏ		•0	•0	•0	.0	• 0	
61-70	.0	.0	.0	.0		.0			.0	•0	•0	•0	.0	.0	
71-86	.0	.0	.0	.0	ě			•0	.0	.0	.0	.0	.0	•0	
87+	.0	.0	.0			•0	.0	.0	.0	.0	.0	.0	.ŏ	.0	
TOT PCT	ŏ	10.3		.0	.0	٠.	•0	.0	. 0	.0	·ŏ	٠٠			
101 701	• •	10.3	4.5	.0	•0	.0	14.7	'n	2.2	1.0			•0	•0	
								* *		1.0	• 0	• 0	.0	4.0	
				W											
HGT	1-3	4-10	11-21	22-33	34-47	48+					NW				TOTAL
<1	.0	1.3	.0	.0	.0		PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
1-2	. ^					.0	1.3	•0	•0	• 0		-0	^		
1-2	٠٥	1.8	.0	.0	.0	.0	1.3			• 0	٠٥	•0	•0	•0	•
3-4	٠.	1.8	1.8	.0		.0	1.8	.0	.0	•0	•0	•0	•0	•0	•
3-4 5-6	.0	1.8	.0	.0	.0	.0	1.8	.0	1.8	•0	•0	•0	•0		•
3-4 5-6 7	.0	1.8	1.8	.0	.0	.0 .0	1.8 3.6 .0	•0	1.8	.0	•0	•0	•0	•0	-
3-4 5-6 7 8-9	.0	1.8	1.8	.0 .0	.0	.0	1.8 3.6 .0	.0	1.8	•0	•0	•0	•0	1.8	•
3-4 5-6 7 8-9	.000	1.8	1.8 .0 .0	.0	.0	••	1.8 3.6 .0	.0	1.8	•0	•0	•0	••	1.5	•
3-4 5-6 7 8-9 10-11	.00000	1.8 1.8 .0 .0	.0 1.8 .0 .0	.0	.0	.00.00	1.8 3.6 .0	.0	1.8	•0	•0	•0	• • • • • • • • • • • • • • • • • • • •	1.8	•
3-4 5-6 7 8-9 10-11 12	••••••	1.8 1.8 .0 .0	.0 1.8 .0 .0	.00.00.00	.0	••	1.8 3.6 .0	.0	.0	•••••	• • • • • • • • • • • • • • • • • • • •	•0	•••••	1.8 .0 .0	•
3-4 5-6 7 8-9 10-11 12 13-16	•••••••	1.8 1.8 .0 .0 .0	.0	.0	.0	.00.00	1.8 3.6 .0 .0	.0 .0 .0 .0	.0	••••••	••••••	•0	•••••••	1.8 .0 .0	•
3-4 5-6 7 8-9 10-11 12 13-16 17-19	•••••••	1.8 1.8 .0 .0	.0 1.8 .0 .0	.00.00.00.00	000000000000000000000000000000000000000	••••••••	1.8 3.6 .0 .0 .0	.0 .0 .0 .0	.0	•••••••	•••••••	• • • • • • • • • • • • • • • • • • • •	•••••	1.8 .0 .0	-
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	•••••••	1.8	.0 1.8 .0 .0 .0	.00.00.00	000000000000	.00	1.8 3.6 .0 .0 .0 .0	•0	.0 .0 .0 .0 .0	.0	••••••	•0	•••••••	1.8	ŕ
3-4 5-6 7 8-9 10-11 12 13-16 17-19	000000000	1.8 1.8 .0 .0 .0	.0 1.8 .0 .0 .0 .0	.0	000000000000000000000000000000000000000	.0	1.8 3.6 .0 .0 .0 .0	.0	.0 1.8 .0 .0 .0 .0	•••••••	.00000000000000000000000000000000000000	• • • • • • • • • • • • • • • • • • • •	••••••	1.5	ŕ
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.00000000000000000000000000000000000000	1.8 1.8 .0 .0 .0 .0	.0 1.8 .0 .0 .0 .0	.0	000000000000000000000000000000000000000	.0	1.8 3.6 .0 .0 .0 .0 .0	•0	.0 .0 .0 .0 .0	.0	.00000000000000000000000000000000000000	.0	.0	1.8	ŕ
3-6 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	1.8 1.8 .0 .0 .0 .0	.0	.00.00.00.00.00.00	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8 3.6 .0 .0 .0 .0	000000000000000000000000000000000000000	.0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	000000000000	•0	••••••	1.8	ŕ
3-6 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	000000000000	1.8	.0		000000000000000000000000000000000000000	.0	1.8 3.6 .0 .0 .0 .0 .0	.0	.0 1.8 .0 .0 .0 .0 .0 .0		000000000000000000000000000000000000000	•0	000000000000000000000000000000000000000	1.8	•
3-6 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	0000000000000	1.8	.0	.00.00.00.00.00.00	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8 3.6 .0 .0 .0 .0 .0 .0 .0		.0 1.8 .0 .0 .0 .0 .0 .0 .0	•••••••••••	000000000000000000000000000000000000000	•0	000000000000000000000000000000000000000	1.8	•
3-6 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	00000000000000	1.8	.0		000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8 3.6 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	.0 1.8 .0 .0 .0 .0 .0 .0 .0	•••••••••••	000000000000000000000000000000000000000	• • • • • • • • • • • • • • • • • • • •	000000000000000000000000000000000000000	1.8	•
3-6 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-60 41-48 49-60 61-70	0000000000000	1.8	.0 1.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		000000000000000000000000000000000000000	000000000000000000000000000000000000000	1.8 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00000000000000000000000000000000000000	.0	•••••••••••	000000000000000000000000000000000000000	•0	000000000000000000000000000000000000000	1.8	•
3-6 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-60 41-48 49-60 61-70		1.8	.0		000000000000000000000000000000000000000	.00.00000000000000000000000000000000000	1.8	.00000000000000000000000000000000000000	.0 1.8 .0 .0 .0 .0 .0 .0 .0	•••••••••••	000000000000000000000000000000000000000	• • • • • • • • • • • • • • • • • • • •	0000000000000000	1.8 .0 .0 .0 .0 .0 .0 .0 .0	•
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86		1.8	1.8		000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8	.00000000000000000000000000000000000000	.0			•00	.00000000000000000000000000000000000000	1.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	ŕ
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+		1.8	.01.8		000000000000000000000000000000000000000	.00.00000000000000000000000000000000000	1.8	.00000000000000000000000000000000000000	000000000000000000000000000000000000000				••••••••••••	1.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	ŕ
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86		1.8	1.8		000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8			••••••••••••••••		.0	••••••••••••	1.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+		1.8	.01.8		000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8	.00000000000000000000000000000000000000	000000000000000000000000000000000000000				••••••••••••	1.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+		1.8	.01.8		000000000000000000000000000000000000000	.00000000000000000000000000000000000000	1.8			••••••••••••••••		.0	••••••••••••	1.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	92.9

	MIND	SPEED	(KTS)	AZ EV	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	484	PCT	Ţ
<1	10.5	14.0	.0	.0	.0	•0		ø
1-2	3.5	29.8	5.3	ň	:0			
3-4	.0	14.0	10.5			•0		
5-6	.0	1.8		•0	.0	•0		
7	.ŏ		10.5	.0	.0	.0		
8-9		.0	.0	.0	.0	٠0	.0	
10-11	.0	•0	.0	.0	.0	•0	.0	
	.0	.0	.0	.0	.0	.0	.0	
15	.0	.0	.0	•0	٠.	.0	.0	
13-16	.0	.0	٠.	'n	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	'n	.0	.0	.0	
23-25	.0	.0	. č	:0	.0	.0		
26-32	.0	.0		.0			•0	
33-40	.0	٠٥			.0	٠0	.0	
41-48	.ŏ	.0		.0	.0	•0	.0	
49-60	.0		.0	.0	.0	٠.	.0	
61-70		.0	.0	• 0	.0	.0	.0	
71-86	•0	.0	.ç	.0	•0	.0	.0	
	.0	•0	.0	.0	•0	.0	.0	
87≁	.0	.0	.c	.0	.0	.0	.0	
TOT PCT	14.0	59.6	26.3	.0	.0	•0	100.0	:

PERIO		ER-ALL	. 194	19-197	1					TABLE	19												
					PERCENT	FRE	DUENCY	QF	WAV	E HEIG	HT CF	T} Y5	MAVE	PERIO	9 6	SECOND	S )						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11		12	13-16	17-19					33-40		49-60	61-70	71-86	87+	TOTAL	HEAN
46_	4.3	23.2	17.4	10.1	1.4	1.4	•0		.0				_	_							•,-	TOTAL	HGT
6-7	•0	1.4	5.8	5.8		1.4	.0			.0	.0	:	ς.		٠0	•0	٠,٥	.0	.0	.0	.0	40	3
8-9	•0	•0	.0	2.9	.0	.0	• 0		.õ		.ŏ	:			۰.	•0	٠.0	.0	.0	.0	٠.	10	Ĭ.
10-11	•0	.0	.0	1.4	.0	2,9	.0		ŏ	ě	:0	:	3:		٠ŏ	•0	•0	٠.	.0	.0	.0	2	Š
12-13	•0	.0	•0	.0	.0	.0	.0		.0	.0	·ŏ	- :	; ;		٠ŏ	•0	.0	٠,	.0	.0	.0	3	7
>13	0	0	.0	.0	.0	.0	.0		.0	.0	ě	:	<b>:</b>		٠0	•0	•0	.0	.0	.0	.0	٥	
INDET	8.7	2.9	4.3	2.9	1.4	.0	•0		.o	.0	.0	- 3	:		٠0	•0	•0	.0	.0	•0	.0	0	
TOTAL	9	19	19	16	2	4	0		ò	Ğ	••		•		••	•0	.0	٠.	.0	.0	.0	14	2
PCT	13.0	27.5	27.5	23.2	2.9	8 6			×		Ų		•	P	0	0	0	0	0	٥	٥	4.0	-

PAGE 194

c = c

TABLE 1

AREA 0003 SUNDA STRAIT 5.05 104.8E

DE. CENT	EDECHERCY	20	- CATHER	GCCLREENCE.	8.	WIND DIRECTION	

			•	RECIPI	TATIC	N TYPE					CTHES	HEATHER	PHEND	MENA	
MAG GIS	RAIN	RAIN SHWR	CATL	FRZG PCPN	SNOR	OTHER FRIN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR LTNG	F06 40 PCP%	FOG WC PCP4 PAST nR	SMOKE MAZE	SPRAY PLWG DUST BLWG SYDM	
NE E S S S N	000041000	13.3	13.3	0000000000	000000000000000000000000000000000000000	.0 .0 .0	0000000000	26.7 11-1 3.7 1-1 5.7 9.1 26.1	13.3 1.6 .4 .0 9.1 39.1 11.1	300000000000000000000000000000000000000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	000000000000000000000000000000000000000	13.3 .0 3.7 .7 3.3 .0 .0	.0	46.7 88.9 90.0 81.6 88.9
TOT PCT	.0 197	.0 3.0	2.0	.o .s	۰.		.c	.0 5.6	.0 3.9	1.0	.0	.0	2.0		88.3

TABLE Z

#### PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			2	RECIPI	CITAT	N TYPE					STHER	REATHER	CHEHO	46.47	
HOUR (GMT)	PAIN	PAI'S SHWR	SRZL	FRZG PCPN	SNO	DTHER FRZN PCPN	HAIL	PCPY AT SMIT 40	PCPN PAST HOUR	THOR LTNG	F36 43 PCP\	POS MS PORY PAST HR		SPRAY PLWG DUST BLWG SNCH	
00£03 06£09 12£15 18£21	3.4 1.9 .0 3.8	1.7 5.8 2.0 3.8	3.4 1.9 2.0 1.9	.00	.0.00	.000	:0	6.9 9.6 4.0 9.4	3.4 1.9 4.3 1.9	1.7 .C 2.3 1.9	.0 1.9 .0 1.9	.000	3.6 4.0 .0	•9 •9 •9	87.9 82.7 86.3 64.9
TOT POT	2.3 213	3.3	2.3	.0	.0	.0	•¢	7.5	2.8	1.4	.9	•0	1.9	٠,	85.4

TAPLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wIN	D SPE	EC (KN	3751								7388	(GMT)			
#40 CI#	0-3	4-10	11-21	22-33	34-47	48+	TOTAL CBU	PCT FREQ	SPO	20	23	C.P.	09	12	15	18	2;
7 1 1 1 1	.8 1.6 2.5 2.9	2.1 5.8 10.3 17.1	.3 .8 4.9 13.8	.0 .1 1.1 2.2	.0	.0		3.3 8.4 18.9 36.0	6.3 6.8 9.3	1.7 6.7 20.4 42.5	55.6 27.8	3.5 8.9 22.9 33.0	4.4 12.8 13.4 36.0	32.5	11.1 11.1 44.4	4.3 6.6 12.8 36.5	1.7 4.7 14.5 38.4
5 5 m	1.3	7.7	3.9	.2	.0	.0		13.1	9.0 6.7	12.4	16.7	10.1	6.4	7.6	5.6	15.5	18.5
Ni Nie	.7	2.6	.6	.0	.0	.0		3.9 3.3	7.1 7.5	4.6 3.2	.0	3.5	4.7 3.7	1.9	8.3	4.6	3.9
VAR Cal	4.7	•0	.0	۰.	•0	. 3		6.7	.0	.0 5.5	٥.	7.8	•0 5•4	5.8	11.1	7.3	7.7
TOT CBS	255 18.9	695 51.5	747 25.7	50 3.7	.1	.0	1349	100.0	a:5	201	100.0	361 100.0	100.0	208	100.0	100.0	181

TABLE 3A

HND DIR	0-6	#IND 7-16	55EED 17-27	(KNCTS) 28-40	41+	TOTAL OBS	PCT FREC	MEAN SFD	00 03	100H 00 09	1 (GHT) 12 15	18 21
	2.1	1.1	.:	•0	.0		3.3	6.3	1.7	3.7	4.1	3.1
ME	4.9	3.2	. 3	•5	٠.		8.4	6.8	6.4	10.1	11.3	5.8
F	8.4	7.8	2.4	. 4	. 0		18.9	9.3	21.9	21.6	19.7	13.0
5€	10.0	19.2	6.7	• 4	.0		36.0	10.8	41.9	13.4	32.9	37.3
s	5.0	6.7	1.4	.0	.0		13.1	9.0	12.6	9.5	14.7	16.9
Šv	3.7	2.6	. 1		.0		6.3	6.7	2.7	6.9	7.5	6.1
							3.9	7.1	4.4	3.8	2.2	4.4
	2.1	1.7	• 1	•0	•0							
Nu	1.7	1.4	.2	•0	٠.		3.3	7.5	3.1	3.4	1.5	4.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	٠.	•0
CALM	6.7						6.7	.0	5.2	7.1	6.0	7.5
TOT ORS	661	589	152	7	0	1349		8.5	210	309	217	413
TOT PCT	44.6	43.7	11.3	.5	٠.		100.0			100.0	100.0	100.0

PERIODI	(PRIMARY)	1880-1972
	(OVER-ALL)	1854-1972

TABLE
-------

AREA 0003 SUNDA STRAIT 5.65 104.8E

PERCENTAGE	FREQUENCY	OF WIND	SPEED	BY	HOUR	(GRT)

HUUR	CALM	1-3	4-10		SPEED ( 22-33	KNOTS) 34-47	40+	MEAN	PCT FREQ	TOTAL 085
00603	5.2	8.1	55.7	24.8	5.7	.5	.0	9.1	100.0	210
96609	7.1	14.7	47.2	26.5	4.5	.0	.0		100.0	509
12615	6.0	14.3	53.5	23.0	3.2	.0	.0		100.0	217
18621	7.5	9.9	53.8	26.6	1.9	.2	.0		100.0	413
TOT	91	164	695	347	50	2	ŏ	8.5		1349
PCT	6.7	12.2	51.5	25.7	3.7	•1	.0		100.0	•••

TABLE 5

TABLE 6

•	CT FRE			CLOUD A		(EIGHTHS)								G HEIG				
WND DIR	C-2	3-4	5-7	8 & 085CD	TOTAL CB5	CDVER CLOUD COVER	000 149	15n 299	300 199	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	.9	.0	.9	.9		5.0	•0	٠0	.0	•0	1.6	•0	.0	•0	•0	.0	.9	
ME	. 2	.2	.0	1.8		7.6	•0	.0	, c	.0		1.6	.0	.0	•0			
E	9.1	6.2	7.5	2.2		3.7	• 7	•0	.0	1.8	.7	1.6	.0	•0	•0	.0	20.1	
SE	12.6	10.0	12.2	3.1		3.8	. 2	40	.0	2.7	2.0		.0	•0	•0	.0	33.0	
S	4.2	4.0	1.5	.9		3.2	• 0	. 9	.0	.0		.0	.c	•0	•0	.0	9.7	
ŚW	. 4	1.8	4.Z	1.5		5.7	•0		.0	.0	2.0	1.8	.4	•0	•0	.0	3.8	
w	.0	.0	1.1	2.7		7.7	•0	•0	. 7	.0	1.5	•0	. 4	•0	•0		1.1	
ÑW	.0	. 9	.9	.2		4.5	•6	•0	ž					.0			1:6	
VAR	.0	.0	.0	•0		•0	•0	.0	.0	.0	ě	. 0	.0	•0	•0	.0	.0	
CALM	4,4	.0	2.7	. 9		3.4	•0	.0	, ,		.9	•0	.0	•0	•0	.0		
TOT CBS	36	26	35	16	113	4.1	1	17	٠;	٠,	ió	• • •	• • • •	•0	•0	.0	86	.13
TOT PCT	31.9	23.7	31.0	14.2	100.0	• • •	. 9		1.0	5.3	8.8	5.3	. 9	•0	•0	-0		100.0

TABLE 7

## CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBV (NM)

				VSBY (N)	4)			
CEILING	• DR	• OR	- DR	- DX	• DR	- CR	• OR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• DR >5000	.0	.0	. û	.0	.0	.0	.0	, ò
<ul> <li>OR &gt;3500</li> </ul>	. 8					. 6	. 8	. č
<ul> <li>DR &gt;2000</li> </ul>	5.0	5.8	5.8	5.8	5.2	5.8	5.8	5.0
<ul> <li>PR &gt;1000</li> </ul>	10.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
■ DR >600	15.0	20.8	20.8	20.8	20.8	20.8	20.8	20.8
■ PR >300	15.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5
• CR >150	15.8	22.5	22.5	23.3	23.3	23.3	23.3	23.3
• DR > 0	15.8	22.5	22.5	23.3	23.3	23.3	24.2	24.2
TOTA:		27						

TOTAL NUMBER OF DBS: 120

•

PCT FREQ NH <5/8: 75.

TABLE 74

#### PERCENTAGE FREQ OF LOW CLOUDS (FIGHTHS)

n	1	2	3	4	5	6	7		OBSCO	DBS
8.4	13.7	26.0	12.2	14.5	4.6	4,9	3.1	9.9		131

PERIUD:	(PRIMARY)	1880-1972 1854-1972
	(UVEP-ALL)	1024-17/4

TABLE #

AREA UUUD SUNDA STRAIT 5.65 104.8E

-ALL) 1	854-1972						TA	16. 11						5.05
		P	ERCENT			D DIREC ION WIT							E OF	
VSBY		•	NÉ	E	SE	s	2×	¥	NW	VAR	CALM	PCT	TOTAL DBS	
	PCP	.0	.0	.4	. 1	.0	• 0	.0	•0	.0	.0	. 5	_	
<1/2	NO PCP	.0	.0	.0	.0	.0	•0	.0	.0	. 0	.0	.0		
1	TOT &	.0	.0	. 4	• 1	•0	•0	.0	.0	.0	•0	. 5		
	FCP	.0	.0	.0	.3	.3	.0	.0	.0	.0	•0	.5		
1/2<1	NO PUP	.0	. 0	.0	•0	•0	•0	.0	• 0	.0	. 3	.0		
	TOT \$	.0	.0	•0	.3	. 3	•0	.0	•0	.0	.0	:5		
	PCP	.0	.0	.0	.0	.5	•0	.0	•0	.0	.0	.5		
1<2	NO PCP	.5	.0	.0	.0	•0	• 0	.0	•0	.0	•0	.5		
	TOT \$	. 5	.0	.0	••	• 5	• 0	.0	•0	.0	• 0	1.0		
	PCP	.0	. ^	.0	.0	.0	•0	.0	.0	.0	.0	.0		
2<5	ND PCP	.0	.0	.0	•0	• 0	•6	.0	.0	.0	.0	.0		
	TOT \$	. 2	. 1	.0	.0	•0	•0	.0	•0	٠٥	•0	.0		
	PCP	1.0	1.0	.5	.0	•0	. 8	.8	.0	.0	.0	4.1		
5<10	NO PCP	1.0	3.3	5.2	6.0	2.0	2.9	.8	• 1	.0	•0	21.3		
	TOT \$	2.0	4.3	5.7	6.0	2.0	3.7	1.5	+1	.0	•0	25.4		
	PCP	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0		
10+	NO PCP	1.3	4.8	18.1	27.5	8.6	4.7	1.4	1.0	.0	5.1	72.6		
	70T %	1.3	4.8	18.1	27.5	8.6	4.7	1.4	1.0	•0	5.1	72.6		
	TOT DES												197	
	TOT PCT	3.0	.1	24.2	33.	11.4	5.4	2.9	1 - 1	•0	5.1	100.0		

TABLE 9

				PERCEN	T FREQ WITH V	OF WIP ARYING	AVENE:	OF VI	SIBIL	ND SPE Lty	ΕD		
VSEY (NH)	SPD KTS	N	NE	E	SE	S	\$¥	¥	Nix	YAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	30	.õ	.0	.0	.0	.0	.0	•	.0	
	11-21	.0	.0	. 2	.1	.0	.0	.0	.0	.0		.3	
	22+	. 0	.0	.0	.0	.0	.0	.0	.0	. 6		.0	
	TOT \$	.0	•0	. 2	.1	•0	.0	.0	•0	.0	٠.	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	٠,٠	.0	.0	.0	
1/2<1		.0	.0	•0	.1	.1	.0	-0	.0	.0		.3	
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	•0	.0	.0		.0	
	TOT \$	.0	٥.	•0	.1	.1	.0	.0	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	. 3	.0	•0	.0	.3	.0	.0	•0	.0		, 5	
	11-21	.0	.0	.0	.0	•0	.0	.0	.0	.0		.0	
	22+	•0	•0	.0	.0	•0	•0	•0	.0	.0		.0	
	TOT %	.3	.0	•0	•0	. 3	•0	••	•0	.0	•0	. 5	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	•0	•0	.3	.0	.0	•0	.0	.0		:3	
	11-21	.0	.0	•0	.3	•0	.0	.0	.0	.0			
	22+	.0	٠٥	•0	•0	.0	- 9	•0	•0	.0		.0	
	TOT %	•0	•0	•0	.5	•0	.0	•0	•0	.0	•0	. 5	
	0-3	.3	.9	.5	. 1	.0	.0	•0	.0	.0	.0	1.8	
5<10		. 5	1.4	1.9	2.4	1.2	1.3	• •	•0	.0		9.1	
	11-21	. 3	.0	.9	1.0	.4	.6	• •	.1	.0		4,4	
	22+	.0	.0	• 0	. 5	.0	.0	•0	. 3	.0			
	TOT \$	1.0	2.3	3.3	4.9	1.6	1.9	. 8	.3	.0	.0	16.1	
	0-3	.c	1.2	1.4	2.5	1.4	.9	.3	. 1	.0	5.2	13.2	
10+	4-10	. 9	3.8	9.3	17.1	9.7	2.9	1.5	1.0	.0		40.2	
	11-21	.3	.1	3.2	12.9	2.7	.6	.5	.3	.0		20.5	
	22÷ 707 %	1.2	.0 5.2	15.1	33.8	14.0	4.4	2.1	1.4	:0	5.2	2.3	
	_									-			
	TOT DAS	2.5	7.5	18.6	39.4	15.9	6.3	2.9	1.8	.0	5.2	100.0	305

JULY

PERIOD: (PRIMARY) 1880-1972 (OVER-2LL) 1854-1972

TABLE 10

AREA 0003 SUNDA STRAIT 5.65 104.8E

# PERCENT FREQUENCY OF CFILING HEIGHTS (FEETANH >4/8) AND OCCURRENCE OF NH <3/6 BY HOUR

HBIJR (GMT)	000 149	150 299	300 599	600 995	1000	2000 3499	*500 4999	5000 6499	6500 7999	3000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	2.4	.0	.0	4.9	9.8	2.4	2.4	.0	.0	.0	22.0	78.0	41
90360	.0	•0	.0	7.1	.0	7.1	.0	.0	.0	•0	14.3	85.7	28
12615	.0	.0	3.6	3.6	10.7	7.1	.0	.0	•0	.0	25.0	75.0	28
18621	.0	3.3	3.3	6.7	13.3	3.3	.0	.0	•0	•0	30.0	70.0	30
TOT	1 8	1	2	5.5	31	6	1	0	2	0	29	95 77.2	127

TARLE 11

TABLE 12

		PERCENT	FREOLEN	CY VS8Y	(NM)	BY HOUR		CUMULAT					VSBY (NH) PLCH YBLL	
HOUR (G4T)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL CBS</th> <th>HOUR (GHT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	10+	TOTAL CBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00503	1.1	.0	.0	.0	17.4	81.5	92	60300	2.5	2.5	7.5	15.0	77.5	40
96330	•0	1.0	.0	1.0	10.0	82.0	100	C5£09	.0	٠.	7.4	7.4	85.2	27
12615	.0	.0	1.3	.0	15.8	82.9	76	12615	.0	3.8	7,7	19.2	73.1	26
18621	.0	.0	.4	.4	18.8	19./	133	16621	•0	7.4	.4.5	18.5	66.7	27
TOT	1	1	?	2	. 69	326	401	101	1	. 4	11	18	91 75.8	120

TARLE 13

TABLE 14

	TANGE 19															• • •				
	PERC	ENT F9	ESUF4C	Y OF R	EL AT I V	IPUH 3	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	E DUEHC	V 0F w	IND DI	RECTIO	4 BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	89-06	90-100		FREQ	N	NE	E	SE	S	SW	Ħ	NW	VAR	CALM
90/94	.0	.0	.0	.0	1.3	•0	.0	•0	2	1.3	.0	٠.	.0	•0	. 5		.0	.0	•0	.0
85/89	. 0	.0	.0	.0	7.0	1.3	.0	.0	5	3.3	.7	.2	.5	1.3	.7	.0	.0	.0	.0	.0
80/84					6.7	35.3	25.3	1.3	115	70.0	2.3	8.2	20.7	25.3	4.2	3.7	1.0	1.3	•0	3.3
75/79									37	24.7	.7	1.3	4.0	7.7	4.2	2.5	2.2	.2	•0	2.0
70/74	.0				.0	.0	.7	.0	1	.7	.7	.0	.0	.0	٠.	.0	.0	.0	.0	.0
TOTAL	0	0	. 0	2	17	58	63	10	150	100.0										
DeT	٠.	- 0	-0	1.3	11.3	38.7	62.0	6.7			4.3	9.7	25.2	34.3	9.5	7.0	3.2	1.5	.0	5.3

TABLE 15

c c

TABLE 16

	TABLE 12													INDLE	10			
	MEANS,	EXTREM	ES AND	PERCEN	ITIL#5	OF TE	4P (DE	G F) 9	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIPU	BY HOUS	1
HOUR (GMT)	KAH	99\$	95%	50%	5 x	14	нұч	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL 085
00603	89	86	84	81	77	75	74	80.9	209	60300	.0	•0	4.8	35.7	47.6	11.9	83	42
90340	91	90	87	83	79	77	75	82.9	500	06609	.0	•0	29.7	37.8	32.4	.0	75	37
12615	89	87	84	82	78	75	73	81.7	213	12615	• 2	4.9	4.9	46.3	34.1	9.8	79	41
18621	49	85	83	81	77	75	73	80.6	415	10521	.0	•0	4.9	29.3	58.5	7.3	82	41
TOT	91	89	86	82	78	75	73	81.7	1337	TOT	0	2	17	60	70	12	80	161

PAGE 178

JULY

PERIOD: (PRIVARY) 1880-1972 (GVER-ALL) 1854-1572

TABLE 17

AREA 0003 SUNDA STRAIT 5.65 104.8E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	W	43
THP DIF	76	80	84	8.0	92		FD6	FDG
7/8	.0	. 5	.0	.0	.0	,	•0	.5
					.š	:		.5
,	. 0	.0	.0	.0		4	•5	
3	.0	.0	.0	1.6	٠.٥	3	.0	1.6
2	.0	. 5	3.8	.0	.0	8	.0	4.4
5 3 2 1 0		1.1	3,8	. 5	.0	10	,5	4.4
ŏ	. 5	1.1	16.5	.c	.0	33	.0	18-1
-1	.5	2.2	12.6	,0	.0	28	. 5	14.8
-2	.0	3.8	15.9	.0	.0	36	.0	19.8
-3	. 5	4.9	5,5	.0	٠.٥	20	• 0	11.0
-4	.5	6.0	2.2	.0	.0	16	•0	8.8
-5	.0	6.0	.5	.0	.0	12	•0	6.6
-6	. 5	2.7	. 5	.0	.0	7	• 0	3.8
-7/-8	1.1	. 5	.0	.0	.0	3	• 0	1.0
-9/-10	1.6	.0	.0	.0	.0	3	• 0	1.6
-11/-13	.5	.0	.0	• 6	.0	1	• 5	.5
TOTAL	11		112		1		2	180
		54		4		182		
DCT	A . O		A1 . 5	2.2	- 5	100.0	1.1	98.9

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VEPSUS SEA MFIGHTS (FT) 11-21 1-3 1-3 HGT <1 1-2 3-4 5-b 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-25 24-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 49-60 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 41-48 4 11-21 1.4 3.7 5.1 3.7 0 0 0 0 0 0 0 0 0 0 0 0 HGT

(1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
20-32
33-40
41-48
49-60
61-70
71-84
49-70
71-84 4-10 

PEK1JD:	(n/er	i-1[[]	1963-1	972					JULY 18 (FONT)				AREA		SUNDA 51	
									-						.03 .94.	u e
				26	T FRES O	F WILD	SPEED	(KTS)	AND DIPEC	7134	VERSUS S	EA HEIS	HTS (FT	)		
				\$_	_							Sh			PCT	
HGT	1-1	4-10	11-21	22-33	74-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	1.4	
<1	•0	1.4	.•(	.0	• (*	.0	1.4			2.7	.0	•0	.0	.0		
1-2 3-4	.0	2.4	1.0	.0	٥.	٠.	4.1		• ``		1.7	•0	.0	.0	2.0	
5-6	. 3	2.0		.0	ic	.0	7.e		. 6		Ċ	č	• Č		2.0	
77	.0	2.7	1.4	•0		• 0	4.1		.0	.0	.0	•0	.0	.0	.0	
8-4	č			.0		•0			.0	٠.	.0	.c	• 0	.c	•0	
10-11		.0	, c	. 0	•	• Č	.0		. 1	•0	.0	٠0	• 0	٠.	•0	
12	• 0	.0	.0	•0	٠.	.0	•c		٠.	• 0	•0	.0	•0	.0	•0	
13-16	. 0	.0	•0	•0	٠,	•0	• 0		• 0	٠.	.0	•0	•0	.0	•0	
17-19	. ა	.0	• 0	• 0	•c	•0	•0		• ?	•0	.0	٠,	•0	.0	•0	
20-22	.0	.0	• 0	•0	. 3	.0	• 0		•0	•0	.0	•0	٠.	•0	•c	
23-25	. 0	•0	•0	.0	.0	•0	•0		• 2	•?	•0	•0	•0	.0	•0	
26-32	• • • • • • • • • • • • • • • • • • • •	.0	•6	•0	•^	•0	.0		• ?	.0	.0	•0	9.	.0		
33-40	.0	.0	٠,٠	• 9	.0	٠.	•0		:3	.0	.0	٥.	•0	.0		
41-48	٠,٥	.0	• 6	•0	•0	.0	•0 •C		ď	.0		.0	•0	.0		
49-60	.0	.0	•0	.0	•0	• • • •	2.			.,		.0	•0			
61-70 71-86	.0	.0	.0	•0	.0	.0	•••		• ```	ž	::	.0	•9	.0		
A7+	••		۰۸	.0	۰	.0			. 0	.0		•0	• 6	.0		
TOT PCT	.0	8.4	4.4	.0	. 5	.0	12.6		.0	4,4		.0	60	.0	6.1	
				<b>.</b>								NW				TOTAL
HGT	1-3	+-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PLT	PCT
₹1	٠.٤	.0	.0	.0	.0	.0	.0		້. າ	.0	•0	•0	•6	.0	. c	
1-2	.0	.0	1.4	.0	.0	•0	1.4		•0	1.4	.0	•0	.0	.0	1.5	
3-4	.0	.0	.0	.0	.0	٠.			• 2	•0		.0	•0	.0		
5-6	.0	.0	• 0	•0	.0	•0	• (		•0	•0		.0	•0	•0		
7	.0	.0	• 0	• 0	•0	•0	•0		• 0	• • •		• 5	•0	.0		
8-9	٠.	•0	•0	•0	٠.	•0	•0		•0	.0		•0	•0	•0		
10-11	٠٠	.0	•0	•0	.0	•0	•0		• 1	•0		•0	.0	.0		
12	•0	.0	• 6	.0	• ?	٠,	.0		÷:	.0		•0	•0	٥.		
13-16	•0	.0	•0	-0	.0	ن. ٥٠	2.		۰			.0	• • •	.0		
17-19	.:	.0	0.0	.0	: ```					č			.0	.0		
20-22 23-25	.c		ò	.0	. 6	٥.						.0	•0	.0		
26-32	.0	.0	.c	•0	. 6	3:	č		.0	.0			•0	.0		
33-40	.ŏ	.0	.0	.0		.0	.0			.0		.0	.0	.0		
41-48	.0	.0	.0	.0	.0	•0	.0		.0	.0		•0	•0	. 5	.0	
49-60	č		. ò	.0	.0	.0	.0		. 5	.0		•0	•0	.0		
61-70		.0	.0	•0	. 0	•0	.0		• 0	• 0		•0	• 0	.0		
71-86	.5	. 0	.0	.0	.0	.0	.0		•0	• 0		.0	•0	.0		
87+	.0	.0	• 0	.0	.0	.0	.0		۰,0	.0		•0	•0	.0		
TOT PCT	. 3	.0	1.4	•0	•0	•0	1.4		.0	1.4	1.4	•0	•0	.0	2.7	93.2

	-1140	SPEED	(KTS)	VS SEA	HEIGHT	1873		
HET	G-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<b>«</b> 1	7.9	3.9	1.3	.0	.0	.0	13.2	1.05
1-2	5.3	22.4	9.2	č	.ŏ		36.4	
3-4	3.5	2.6	17.1	· ic	. 0		23.7	
5-6	.0	1.3	7.9		. 5		14.5	
7		2.6	3.9				10.5	
8-9		0		.0			٥.	
10-11		2.	·.	1,3			1.3	
12	.0	:	i.c		.0		•	
13-16	.0			c	.0		č	
17-19		.0					.0	
	•0				.0		č	
20-22	•0	• 0	• 0	.0				
23-25	.0	.0	.0				۰.	
26-32	.0	•0	.c		• • • •		•0	
33-40	.0	•0	٠.	.0	.0	.0	•0	
41-48	.0	.0	. C	.0	•0	.0	٠.	
49-67	.0	. 0	.0	,0	.0	.0	.0	
61-70	.0	.0	.c			.0	.0	
71-86	.c		.c			.0	. 0	
87+	.0	. 0	.c			.0	.0	
• • • •	••	•••	• • •	•-		-	• •	76
tet pet	13.2	36.8	39.5	10.5	.0	.0	100.0	

PERIU	D: (OV	ER-411	) 195	0-197	,				TABLE	19											
					PFRCENT	FRE	QUENCY	OF WA	VE HEIG	HT (FT	) VS	MAVE P	CUIRE	(SECON!	05)						
PERIUD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-37	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	21.4	13.6	4.9 3.9	1.0	1.0	.0 1.3	.0		.o ::	:0	.0	.0	.0	٠.	.0	.0	.0	.0	48 19	3 5
6-7 8-9	.0	1.0	7.8	1.9	2.9	.0	.0	.0	· .c	.0	ò	.0	.0	.0	.0	.0	.0	.0	.0	6	6
10-11 12-13	.0	.0	1.0	1.0	1.0	1.9	.0	1.9	) .c	.0	.0	.0	.0	• •	.0	.0	.0	.0	.0	ż	8
>13 INDET	7.8	4.9	.0	1.0	1.0 3.9	.0	••	.0		.0 .u	.0	.0	.0		.0	.0	.0	.0	.0	16	ź
TOTAL PCT	13 12.6	27.2	22.3	14 13.6	15.5	4.9	1.0	ر و. د		ů.	٥.	•0	.0		.0	.0	.0	.8	.0	100.0	•

PAGE 200

٠,)

(

•

· }

PERIOD: (PRIMARY) 1886-1969 (OVER-ALL) 1856-1969

TABLE 1

AREA 0003 SUNDA STRAIT 5.55 104.8E

PERCENT FREQUENCY OF WEATHER DCCURRENCE BY WIND DIRECTION

			٩	RECIPI	TATIO	N TYPE					DTHEA	MEATHER	PHEND	MENA	
WND DIR	RAIN	RAJN Shur	DR7L	FRZG PCPN	SNON	OTHER FRZN PCPN	HAIL	PCPN AT UB TIME	PCPN PAST HOUR	THOR LTNG	FNG 4U PCPN	FOG WO PEPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNDW	
N	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	80.0
NE	4.4	2.2	.0	.0	.0	.0	.0	6.6	1.1	.0	4.4	.0	2.2	• 0	85.7
į.	.0	3.3	2.2	.0	.0	.0	.c	5.5	1.7	. 0	3.3	.0	3.3	.0	86.2
ŠE	1.8	2.4	1.2	.0	.0	.0	.0	5.4	•0	. 6	.6	.0	.0	.0	93.4
Š	9.2	.0	.0	.0	.0	.0	.0	9.2	.0	5.5	.0	.0	.0	.0	85.3
Šw	.0	.0	.0	.0	.0	.0	.0	.0	•0	6.8	.0	.0	.0	.0	93.2
W	21.9	.0	.0	.0	.0	.0		21.9	.0	9.4	.0	.0	.0	.0	68.8
Nie	4,2	. 0		.0	.0		.0	4.2	.0	4.2	.0	.0	.0	, n	91.7
VAR		.0	.0	.0	.0	.0	.c	٠.	.0	.0	.0	.0	•0	.0	.0
CALM	.0	.0	20.0	.0	.0		•c	73.0	•0	.0	•0	.0	•0	•0	80.0
TOT PCT TOT CBS:	3.2 217	1.8	1.4	.0	•0		•c	6.5	.5	1.6	1.4	•0	1.4	•0	88.5

TARLE 2

PERCENT FREGUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	T4110'	TYPE					OTHER	WEATHER	PHEND	MFNA	
HOUR (GPT)	RAIN	RAIN Shur	CP7L	FRIG PCPN	SNOW	GTHER FRZN PCPY	HAIL	PCPY AT OB TIME	PCPN P45T HOUR	THOR LTNG	FDG #0 8084	FGG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	6.8 .0 3.5 3.6	.0 1.5 1.8 5.4	4.5 1.5 .0	.0	.0	.0 .0	.0	11.4 3.0 5.3 8.9	.0 .0 1.8	.0 3.5 3.6	2.3 .0 3.5	.0	1.5 3.5	.0 .0 .0	86.4 95.5 82.5 87.5
TOT PCT	3.1 223	2.2	1.3	.0	•0	•0	•¢	6.7	.4	1.8	1.3	•0	1.3	•0	88.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIPECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KN) 22-33		48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HDUR 09	(GMT) 12	15	18	21
N NE E SE S S W N N N VAR CALT	.7 .7 2.2 2.5 1.8 .5 .3 .7 .0 4.0	1.9 4.0 9.0 18.3 7.0 3.8 1.6 2.1	1.4 4.5 20.5 4.6 1.1 .e .c	• • • • • • • • • • • • • • • • • • • •	.0	••••••••	1367	3.0 6.1 16.1 45.6 13.9 5.5 2.7 3.0	5.9 7.7 9.0 12.2 9.8 7.7 8.4 6.2	1.3 2.6 17.3 53.8 12.6 3.1 2.3 2.1	.0 15.7 12.5 45.8 8.3 6.3 .0 8.3	3.0 7.5 20.8 44.7 8.6 4.9 3.7 4.2 2.7	0.9 11.1 10.3 37.9 12.4 6.4 2.4 2.4	3.7 10.1 14.5 42.0 14.4 5.1 2.3 1.6 6.3	2.8 2.6 13.9 54.2 12.5 5.6 2.8 5.6	2.9 2.4 11.7 45.3 19.6 6.8 3.6 3.6	1.0 3.1 14.5 49.2 18.4 6.5 1.3 3.4
TOT PCT	13.4	47,7	31.5	5.3	.i	•0	130.	100.0	***		100.0						

TABLE 3A

WHO DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FRED	MEAN SPD	00 03	HDUR 06 09	(GHT) 12 15	18
ĸ	2.1	.9	.0	.0	.0		3.0	5.9	1.2	4.3	3.6	2.1
NE	3.0	3.1	.1	.0	٠.		6.1	7.7	3.4	8.7	9.5	2.7
į.	6.3	7.8	2.0	.0	.0		16.1	9.0	17.0	19.3	14.5	13.0
SF	10.0	23.0	11.7		.1		45.6	12.2	53.3	42.4	42.9	47.0
Š	4.8	1.2	1.8	. 2	.0		13.9	9.6	12.5	9.9	14.2	19.1
Šu	2.6	2.8	•1	.0	.0		5.5	7.7	3.4	5.4	5.2	6.7
¥	1.3	1.4	.1	.0	.0		2,7	8.4	2.2	3.3	2.4	2.6
Ňw	1.9	i.i	٠.	.0			3.0	6.2	2.5	3.6	1.9	3.3
VAR		•.0	.0					·.ō				
CALM	4.0	•••			••		4.0	.ŏ	4.4	3.2	5.8	3.7
TOT DAS	492	644	216	14	1	1367		1.7	204	502	223	438
TOT PET	36.0	47.1	15.8	1.0	.î		100.0	•••			100.0	

PERIOD: (PRIMARY) 1886-1969 (GVER-4LL) 1856-1969

TARLE 4

AREA 0003 SUNDA STRAIT 5.58 104.8E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GMT)

				YIND	SPEEC (	KNCTSI			PCT	TOTAL
⊬ÐUR	CALH	1-3	4-10	11-21	22-33	34-47	48+	WEAN	FREG	OBS
60200	4.4	9.8	42.6	37.3	5.9	•0	.0	10.0	100.0	204
90300	3.2	12.5	49.6	29.7	5.0	٠.	.0	9.5	100.0	502
12615	5.8	6.3	45.3	36.3	6.3	.0	•0	10-2	100.0	223
18621	3.7	7.3	49.1	34.7	5.0	. 2	.0	10.1	0.001	438
TOT	54	129	652	458	73	ī	٥	9.9		1367
PC-	4.0	9.4	47.7	33.5	5.3	- 4	• 0		100.0	

TARLE 5

TABLE 6

			Τ.	ARLE 5								• •	iste o					
	PCT FRE			CLUUD A D DIRFC		(EIGHTHS)		1						G HEIG				
MND DIE	0-2	3-4	5-7	8 & 085CD	TOTAL Pan		000 149	299 150	300 999	999	1000	2000 349*	3500 4999	5000 6499	6500 79 <b>9</b> 9		HH <5/8 ANY HGT	
4	.0	٥,	.0	•0		•0	•0	•0	.0	.0	.0	.0	.0	•0	•0	.0	•0	
ΝE	2.2	1.1	1.1	.0		3.2	•0	• 0	.0	•0	1.1	.0	.0	.0	.0	• 0	3.3	
Ε	6.3	4.9	8.5	1.1		4.0	•0	•0	٠,٥	1.1	2.2	. 3	.0	.0	•0	.0	17.6	
ŠĒ	14.8	15,7	15.9	1.1		3.5	•0	• 0	.0	3,3	.0	3.0	.0	•0	•0	. 3	40.9	
S	5.8	4.7	5.2	•0		3,4	•0	• 0	• 0	.0	.0	1.4	.0	• 0	•0	. 8	13.5	
Š¥	2.7	1.1	3.3			4.2	.0	• 0	٠,٥	.0	.0	.0	1.1	.0	•0	.0	7-1	
- i	.0		. 8			7.5	•0	• 2	.0	.0	.0	1.9	.0	• 0	•0	•0	•0	
ÑW	.0	.0	.3			7.0	•0	• •	.0	.0	.0	.3	.0	•0	•0		•0	
VAR	.c	.0	.0			. 5	•0		.0	.5	.5	.0	.0	.0	.0		•0	
CALM	1.1	•0	•0			2.0	•0	• 0	• 0	.0	.0	.0	.0	•0	•0	.0	1.1	
TOT CA		25	32		91		Ŏ	0	•	4	``3	ă	ĭ	ő	ŏ	i	76	91
TOT PC		27.5	35.2		100.0		•0	• 0	.0	4.4	3.3	6.6	1.1	•0	•0	1.i	83.5	100.0

TARLE 7

	DF SIMULTANEOUS OCCURRENCE (NH >4/8) AND VSHY (NH)
0- CE1C1 10 HE10HI	(40 )4/3/ 444 (40)

				VSBY (NH	)			
CEILING	<ul><li>□ 1R</li></ul>	• DR	● DR	• 7R	• 52	- OR	• DR	• OR
(FEFT)	>10	>5	>2	51	>1/2	>1/4	>4040	>0
• OR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<ul> <li>∩R &gt;5000</li> </ul>	1.1	1.1	1.1	1.i	1.1	1.1	1.1	1.1
# DR >3500	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2
■ OR >2000	3.3	4.3	6.7	8.7	8.7	8.7	8,7	8.7
■ DR >1000	6.5	7.6	12.0	12.0	12.0	12.0	12.0	12.0
■ DR >600	10.9	12.0	16.3	16.3	16.3	16.3	16.3	16.3
■ DR >300	10.9	12.0	16.3	16.3	16.3	10.3	16.3	16.3
. OR >150	10.9	12.0	16.3	16.3	16.3	16.3	16.3	16.3
■ Dk > 0	10.9	12.0	16.3	16.3	16.3	16.3	16.3	16.3
TOTAL	10	11	15	15	15	15	15	15

TOTAL NUMBER OF OBS: 92

PCT FREG NH <5/81 83.7

TABLE 74

## PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

c	1	2	3	4	9	6	7	8 0	BSCD	TOTAL OBS
11.0	21.0	23.0	13.0	12.0	7.0	3.0	6.0	2.0	•0	100

PAGE 202

**(** 

}

ł	P.	: 1	€	۳

ERIOD: (PRIMARY) 1 (OVER-ALL) 1				,			TA	NLE B				YKE		SUNDA STRAI .5S 104.8F
		P	ERCENT			D DIRECTION WIT							E OF	
VSBY (NH)		4	ΝE	Ε	SE	s	Sw	w	44	VAR	CALM	PCT	TOTAL	
*	PCP	.c	٠.	.0	• 0	.0	.^	.0	. 0	.0	. 5	.5		
<1/2	NO PCP	ő	.0	ő	. 0	•0	.0	ō		·ŏ	• 5	.0		
****	107 %	.c	.0	.0	.0	•0	•0	, c	.0	.0	• 5	. 5		
	PCP	.0	.5	,0	.0	.0	• 2	.0	.0	.0	.0	.0		
1/2<1	NO PCP	.0	٥.	•0	.0	•0	• 0	.0	•0	.0	•0	٠, ٥		
	101 %	٠.	.0	.0	.0	•0	•5	• ^	•0	•0	•0	.0		
	PCP	.0	.0	.0	.5	• 0	• 0	•0	.0	.0	•0	. 5		
1<2	NO PCP	.0	. 2	+2	.0	•0	•0	•0	•0	•0	•0	. 5		
	TOT %	.0	.2	.2	.5	•0	•0	•0	•0	•0	•0	. 9		
	PCP	.0	. 2	.0	.7	• 2	e O	. 8	.1	.0	•0	1.8		
2<5	NO PCP	.0	.0	.0	.9	• 0	. 5	.0	•0	.0	. 5	1.8		
	TOT %	.0	.0	•0	1.6	.2	. 5	. 8	• 1	.0	. 5	3.7		
	PCP	.0	.•:	.7	.0	. 5	• 0	.0	• 2	.0	•0	2.3		
5<10	NO PCP	1.4	5 9	6.0	5.5	1.4	1 • 3	, 9	• 9	•0	•0	23.5		
	TOT \$	1.4	6.1	6.7	6.7	1.8	1.3	, 9	. 9	•0	•0	25.8		
	PCP	.0	. 5	. 5	.0	.5	•0	.0	.0	.0	•0			
10+	NO PCP	.9	3.7	13.5	29.5	10.0	5.1	2.0	1.7	•0	1.4	67.7		
	TOT %	. 9	4.1	13.9	24.5	10.5	5 , ì	2.0	1.7	.0	1.*	69.1		
	דמַד מַד			_									217	
	TOT PCT	2.3	10.5	20.9	30.2	12.6	6.8	3.7	2.6	.0	2.3	100.0		

TABLE 9

						OF WING					E0		
VSBY	SPD	N	46	E	SE	s	SW	H	NW	VAR	CALM	PCT	TOTAL
(NM)	KT5 0-3	•						•		•		•	085
	0-3 4-10	•0	.0	•0	•0	•0	.0	٠,٥	٠,٥	•0	. 2	.2	
<1/2	11-21	.0	•0	•0	•0	.0	.0	.0	.0	•0		.0	
	22+		٠٥	• 5	• 9		.0	.8	.0	•0		.0	
	TOT %	.0	٠٥	•0	•0	•0		.0		• 0			
	101 %	.0	••	•0	•0	•0	•0	.0	.0	••	•2	.2	
	0-3	•0	•0	•0	•0	.0	• 0	.0	•0	.0	.0	•0	
1/2<1	4-10	•0	-0	•0	•0	•0	.0	•0	.0	•0		.0	
	11-21	.0	٠0	•0	•0	.0	.0	.0	.0	.0		•0	
	22+	.0	.0	•0	•0	•0	•0	٠.٥	.0	.0		.0	
	TOT \$	•0	•0	•0	•0	.0	•0	.0	.0	•0	•0	•0	
	0-3	.0	.0	•0	.0	.0	.6	.0	.0	.c	.0	.0	
1<2	4-10	•0	•0	•0	• 0	•0	.0	.0	.0	.0		•0	
	11-21	.0	.1	•1	• 2	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	. 1	• 1	• 2	•0	.0	.0	.0	•0	•0	.5	
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	.2	.2	
2:5	4~10	.0	.0	.2	.6	.1	.2	.4	.1	.0		1.6	
	11-21	.0	, ž	.0	. 9	. 5	,õ	.0	, ō	.0		1.6	
	22+	.0	.0	•0	. 2	.0	.0	.0	.0	.0		.2	
	TOT #	.0	.2	• 2	1.7	.6	. 2	.4	.1	·ò	.2	3,7	
	0-3	.2	.2	. 3	.1	•0	.2	.0	.0	.0	.0	1.1	
5<10	4-10	.5	2.4	3.1	2.4	1.4	.6	.1	.6	.0	• • •	11.0	
	11-21	.2	- 6	1.5	3.0	9	.0	. 3	.i	.ŏ		6.7	
	22+	.5	.0	.0	.2	.0	.0	.0	.5			.2	
	TOT \$	. 9	3.2	4.9	5.7	2.3	. 9	. 5	.7	.0	.0	19.0	
	0-3	. 8	.2	1.5	1.3	.9	.6	.6	.6	.0	2.3	8.7	
10+	4-10	.6	2.3	7.6	16.3	6.5	2.5	1.3	1.2	.0		36.3	
-0.	11-21	.ŏ		2.5	17.4	6.2	1.4	.1	•.0			28.4	
	22+	.5			. 9				.0	.0		1,1	
	TOT \$	1.4	3.3	11.9	35.9	13.6	4.5	2.0	1.8	.0	2.3		
,	TOT DBS												436
	TOT PCT	2.3	6.8	17.1	43.6	16.5	5.6	2.9	2.5	.0	2.8	100.0	-50

PERIOD: (PRIMARY) 1880-1969 (OVEP-ALL) 1856-1969

TABLE 10

AREA 0003 SUNDA STRAIT 5.55 104.8E

## PERCENT FREQUENCY OF CFIFTING HEIGHTS (FEETJMH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

43JR (GMT)	000 149	190 299	300 599	500 999	1000 1999	2000 3499	3500 4999	9000 6499	6500 7999	<b>5000</b> +	TATAL	NH <5/8 ANY HGT	TOTAL UBS
00603	.0	.0	٠.	.0	3.7	7.4	3.7	. 3	.0	•6	14.8	85.2	27
90360	.0	.0	.0	.0	6.7	•0	.0	.0	.0	•0	6.7	93.3	30
12615	.0	.0	.0	14.3	0	9.5	٠,	-0	.0	4.8	28.6	71.4	21
15621	.0	.0	.5	5.3	.0	10.5	.0	. ა	. 3	٠٥	15.8	84.2	19
TOT	0	0	0	4	. 3	. 6	, 1	Ü	9	, 1	15	82	97

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y V\$8Y	(NH)	BY HOUR		CUMULAT					VSBY (NM) 138Y HOUR	
HOUR (GMT)	<1/2	1/2/1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TCTAL CBS</th> <th>HOUR (GMT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	10+	TCTAL CBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
60300	1.3	.0	•0	7.9	18.4	72.4	75	00803	•0	.0	12.0	4.0	84.0	25
06609	.0	.0	•0	1.6	17.6	80.8	129	90360	.0	•0	.0	7.1	92.9	28
12615	•0	.0	1.0	4.0	19.0	76.0	100	12615	•0	•0	23.8	1.5	66.7	21
18621	.0	.0	.7	2.8	22.5	73.9	142	14621	٠,	.0	5,6	11.1	63.3	16
TOT PCT	.2	0 0	.5	16 3.6	87 19.6	337 76.1	443 100.0	TOT PCT	•0	•0	9.8	7.6	76 \$2.6	92 100•0

TAPLE 13

TABLE 14

	PERCENT FREQUENCY OF RELATIVE MUMIDITY BY TEMP TOTAL PCT TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS PREQ												ENT F	REQUEN	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		PREQ	N	NE	E	SE	5	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	•0	2.3	2.3	.0	•0	6	4.7	.0	1.6	.0	.1	.6	1.0	.0		.0	.0
80/84	.0	.0	.0	•0	6.3	32.8	25.8	2.3	-86	47.2	2.3				7.6		2.1	.6	.0	
75/79	.0	.0	.0	.0	.0	3.9	17.2	7.0	36	78.1	. 5	.0	2.7	17.8	3.5	2.5	1.6			
TOTAL	0	0	0	0	.1	50	55	12	128	100.0					-		•			• • •
PCT	٠.	•0	•0	٠.	8.4	39.1	43.0	9.4			2.3	10.0	19.3	42.0	11.7	8.0	3.7	1.4	-0	.6

TABLE 15

TABLE 16

	HEANS,	EXTREM	ES AND	PERCE	ITTLES I	IF TEH	P (DE	G F) 0	Y HOUR		PER	ENT FRE	QUENCY	OF RELA	LTIVE P	110114	BY HOUR	
HOUR (GMT)	MAX	992	<b>95</b> %	50%	51	18	MIN	MEAN	TOTAL OBS	HOUR (GHT)		30-59	60-69	70-79	80-89	90-100	KASH	TOTAL OBS
00603 00609 12615	93 85	84 91 84	84 87 83	80 83 81	77 70 79	74 76 77	73 75 76	\$0.3 \$2.8 \$1.1	198 469 217	00503 06509 12619	.0	:0	7.1 25.0		16.7	3.6	81 74	36
18621	84 93	85 88	#3 #5	80 81	77 78	75 76	73 73	10.2 81.3	430 1314	1862		•0	3.1 .2	34.4 37.1 51	50.0 48.6 56	12.5 14.3 12	62 80	37 35 131

PAGE 204

PERIOD: (PRIMARY) 1886-1969 (OVER-ALL) 1856-1969

TABLE 17

AREA 0003 SUNTA STRAIT 5.55 104.8E

1

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	W	WD
THP DIF	76		84	67	92		FDS	FOG
6	.0	.5	.5	.5	.5	4	•0	2.2
6 5	.0	.0	.5	.0	. 5	2	.0	1.1
4	.0	.0	. 5	.0	.0	1	.0	.5
3	.0	.0	. 5	.0	.0	ī	.0	.5
ž	.0	• 0	3,4	1.1	.0	ē	•0	4.9
ī	.0	.0	7.6	.0	.0	14	.0	7.6
1 0	.5		15.1	1,1	.0	38	.0	20.5
- Ì	.0		15.7	.0	.0	35	.0	18.9
-2	ŏ	11.4	14.1	.0	.0	47	.0	25.4
-3	.0	3.8	1.6	. 0	• 0	10	• 0	5.4
-4	.0	7.0	1.6		.0	17	•0	9.2
-5	.0	2.2		.0	٠.	5	.0	2.7
-6	ŏ	1.1	.0	.0	.0	2	• 0	1.1
TOTAL	ĭ	• • •	115		2	•	0	185
	•	61		6		185		
PCT	. 4		62.2	1.2	1.1	100.0		100.0

PERIOD: (DVER-ALL) 1963-1969

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 34-47 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 ••••••••••••••• 1-3 1-3 •••••••••••••••• 11-21 .0 6.6 7.0 7.0 3.3 1.6 .0 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87-77 1-3

PCT FREG OF WIND SPEED (KTS) AND DIPECTION VERSUS SEA HEIGHTS (FT)

				PC	T FREG U	F WIND	SPEED	(K12) WAD DIAE	CIIDA	AEK2C2 2	EA HEIG	HTS CFII			
				5	<b>.</b>				4-1C		SW	34-47	48+	PCT	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	.0	11-21	22-33	•0	•••	•0	
<1	0	0	•0	.0	.0	.0	0	1.6	2:5	•0	•0	•0	.0	4.1	
1-2	1.6	7.0	.0	•0	٠,٥	•0	9.4	.0	.0	.0		•0			
3-4	.0	1.6	4.5	•0	•6	•0	6.1		.0	1.6	•0	•0	.0	1.6	
5-6	.0	.0	1.2	.0	•0	•0	1.2	:3			•0	•0	.ŏ	0	
.7.	.0	.0	•0	.0	• ?	•0	•0		:0	.0	.0	•5	.ŏ		
8-9	٠.	.0	•0	-0	.0	•0	•0	.0	.0	.0	.0	.ö	:0	.0	
10-11	.0	.0	•0	.0	·č		• 0	.0		.0	.0	.5	.č		
12	٠,	.0	•0	.0	.6	.0	•0	.0	. 6	.0	.0	•0	ě	.0	
13-16	٠,٥	.0	•0	.0				.0	.3	.0	.0	•5	ě	.0	
17-19	.0	.0	.0	.0	.0	.0	•0	.0	ŏ	.0		.0		ŏ	
20-22	.5	.0	•0	.0	:0	.0	.0	••	• • • • • • • • • • • • • • • • • • • •	.0	•0	.,		.ŏ	
23-25		.0		.0	ó	.0	.0	.0	ó	.0	.0			.0	
26-32	.0	.0	•0	.0		•0	.0	.0	.0	.0	.0	•0	.0	.0	
33-40 41-48		.0	•0	.0	:0	•0	.0	ŏ	.0	.0			.5	.ŏ	
49-60	.0	.0	•0	.0		•0	.0	.0		.0		.0	.0	.č	
61-70	.0	.0	.0	•0		.0	•0	0	.5	.c		٠٥			
71-86	.0	.0	•0	.0		•0	•0	.3	.5		• • • • • • • • • • • • • • • • • • • •	.5	.ŏ		
67+	.0		.0	.5	:5	.0		ž	Ď	.,	.0	.0	.ŏ		
TOT PCT	1.6	9.4	5.7	.0	ň	.0	16.8	1,6	2.5	1.6		Č		5.7	
TOT PCT	***	7.4	,	••	•	••		•••				••		,	
				W							AM.	_			TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	+8+	PCT	1-3	4=17	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	•0	•0	•0		•0	•0	•0	•0	.0	•0	•0	•0	.0	
1-2	.0	.0	•0	. 3	.0	•0	• 0	• າ	.0	.0	•0	•0	.0	.0	
3-4	٠.٥	.0	•0	•0	.0	•0	.0	•9	•0	.0	.0	• •	.0	.0	
5-6	.0	.0	•0	-0	.0	•0	• 0	•0	•0		•0	•0	•0	.0	
7	.0	•0	•0	.0	•0	•0	•0	•0	.0		•0	•0	•0	•0	
8-9	.0	•0	•0	•0	.0	•0	•C	•?	•0		•0	•0	.0	.0	
10-11	.0	.0	•0	•0	•0	•0	•0	٠٥	•0	•0	•0	•0	.0	.0	
12	.0	.0	•0	•0	.0	•0	٠Ç	•0	.0	.0	•0	•0	.0	.0	
13-16	.0	.0	•0	.0	٠.	• 0	•0	•3	•0	.0	•0	•0	• • • •	• 6	
17-19	٠.٥	.0	•0	.0	•0	• 0	•0	•3	.0		.0	•0	•0	.0	
20-22	•0	.0	•0	•0	. ၁	•0	•0	•9	.0		•0	•0	•0	.0	
23-25	.0	.0	•0	•0	۰,	•0	•0	•0	٠.		•0	• 5	•0	•0	
26-32	. 0	.0	•0	.0	.0	•0	•0	• ?	•0		.0	•0	•0	.0	
33-40	•0	.0	•6	•0	٥.	••	•0	•3	•0		• 5	•0	•0	.0	
41-48	٠,٥	.0	•6	• 0	.0	•0	• • •	•0	•0		.0	• 0	٠,٥	.0	
49-60	0	.0	•0	•0	.0	•0	•0	•0	•0		٠.	•0	• 3	•0	
61-70	.0	.0	•0	•0	.0	.0	•0	•0	•0		•0	•0	•0	.0	
71-66	.0	.0	•0	.0	.0	.0	•0	•0	•0		•0	•0	•0	•0	
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0	•0	.0		.0	•0	.0	.0	_
	.0	.0	•0	.0	.0	•0	.0	• າ	.0	.0	.0	•0	.0	.0	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.9	1.6	.c	.0	.0	.0	6.6	583
1-2	3.3	32.5	8.2		.0	. 2	44.3	
3-4	.0	19.7	11.5		.0	.0	31.1	
5-6	.0	1.6	9.4	.0	.0	.0	11.5	
7	.0	•0	4.9	.0	.0	.0	4.9	
8-9	.0	.0	1.0	. 6	.0	.0	1.6	
10-11	.0	.0	0.0	ň	.0	. 0		
12	. 6	. 0	.c	.0	.0	.0	5,	
13-16	. ö	ě		, ŏ	.0		. 0	
17-19	•0	•0	•0	•0		٠.	.0	
20-22	.0	•0	• (	•0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.c	.0	.0	.0	.0	
33-40	.0	.0	.0	. c	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.c	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0	
71-86		5.	.c	.0	.0	.^	ŏ	
A7+		.0	.0		.0	.0	ō	
	••	••	••	• •	••	• •	••	61
TOT PCT	8.2	35.7	36.1	.0	.0	.0	100.0	01

PERIOD: (OVER-ALL) 1949-1969 TABLE 19 PERCENT PPEQUENCY OF HAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-11 .0 .0 2.2 1-1 1.1 2.2 .0 .0 .0 1-1 .0 .0 .0 .0 .0 .0 .0 48 .0 21 .0 9 .0 3 .0 2 .0 1 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 (NDET TOTAL PCT <1 4.5 .0 .0 .0 .0 .0 .0 2.2 6 1-2 3-4 5-6 13.5 5.6 4.5 .0 .0 1.1 1.1 23 75.8 20.2 1.1 .0 .0 .0 .0 .0 .0 19 21.3 12.4 11.2 1.1 2.2 1.1 .0 2.2 27 30.3 .0 1.1 2.2 .0 1.1 .0 0000000000 ......... 0000000000 0000000000 ......... .0000000000 ....... . . . . . . . . . . . . 0000000000 .000000000 ••••••••• 3.4 2.2 1.1 1.1 .0 .0 .0 .7 7.9

PAGE 206

(

t

•

SEPTEMBER

PERIOD: (PRIMARY) 1882-1971 (OVER-ALL) 1854-1971

TABLE 1

44E4 0003 SUNDA STRAIT 5.5S 104.8E

PERCENT ERFO	HENCY OF	MEATHER	OCCURRENCE	AY	GMIN	DIRECTION

			P	RECIPI	TATEO	Y TYPE					OTHER	WEATHER	PHEND	TENA	
WND DIR	RAIN	RAIN Shur	ORTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOT	
N HE E SE S W N N VAR CALM	.0 4.4 3.3 3.5 5.4 .0	23.5	.0	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.00000000000000000000000000000000000000	000000000000	.0 8.9 3.3 3.5 5.4 23.5	5.9 .0 5.0 3.5 .0 30.8 23.5	.0 8.9 1.7 .0 .0	.0 .0 .0 .0 5.4 .0 23.5	.00	.0 .0 1.7 6.1 6.8	•0	100.0 94.1 86.7 88.3 86.8 82.4 69.2 29.4
TOT PCT TOT C851	3.1 163	1.2	.0	.0	•0	.0	•0	4.3	4.3	1.5	1.2	•0	2.5	•0	86.5

TABLE 2

PERCENT	FREQUENCY	0 F	WEATHER	OCCURRENCE	BY H	HOUR
---------	-----------	-----	---------	------------	------	------

				RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GPT)	RAIN	RAIN SHUR	PILZL	FRZG PCPN	SHOW	CTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LING	FOG WO PCPH	FEG WO PCPN PAST HR		SPRAY BLWG DUST B',WG SNOW	
00603 06609 12615 18621	.0 2.3 5.6 6.4	.0 2.0 2.1	.0	.0	.0	.0	.0	.0 2.3 9.3 8.5	6.7 6.8 2.8	.0 2.8 6.4	.0 .0 .0	.0	4.4 2.3 .0 2.1	•0	88.9 88.6 86.1 80.9
TOT PCT TOT CBS:	3.5 172	1.2	.0	•0	•0	•0	•0	4.7	4.1	2.3	1.2	•0	2.3	•0	86.0

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	O SPE	ED (KNE	TS)								HOUR	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT FREQ	HEAN SPD	00	03	06	09	12	15	18	21
N NE	1.0	1.8	.2	.1	.0	•0		3.0 5.6	5.5 7.4	2.8	5.0 15.0	2.5 7.1	7.5 7.9	3.9 7.2	8.3	2.5 4.1	4.1
ŞE	1.2	7.5 17.5 9.2	3.5 21.8 6.4	3.9	.1	•0		12.8 45.3 17.5	9.5 12.4 10.5	14.2 53.7 14.8	15.0 45.0	14.9 42.3 15.4	13.2 39.3 17.1	10.4 37.2 25.1	16.7 50.0 8.3	10.2 46.0 18.7	13.3 53.1 16.4
Šu N	.8	3.9 2.1	1.1	.1	.0	•0		5.0 3.9	7.8	4.8	5.0 15.0	5.0	5.0 3.6	9.3	8.3	5.9 3.3	5.3
NW VAR	.8	• • • • • • • • • • • • • • • • • • • •	.0	•1	.1	•0		2.3	.0	•0	•0	3.0	3.6	.0	•0	3.1 .0	1.6
CALM TOT GBS TOT PCT	3.8 154 12.2	590 46.6	445 35,7	74 5.8	, 3 , 2	.0	1266	3.0	10.2	2.3 171 100.0	100.0	3.5 310 100.0	2.9 140 100.0	2.8 181 100.0	100.0	241 190.C	207 100.0

TABLE	34

WHO DIR	0-6	#IND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 0≱	HOUR 06 09	(GMT) 12 15	10 21
N NE	2.2	2.3	.4	:0	.0		3.0	5.5 7.4	2.9 3.0	7:3	4.0 7.2	1.6
e Se S	4.7 9.0 5.0	6.3 23.9 9.2	1.7 11.5 3.3	:1	.0		12.8 45.3 17.5	9.5 12.4 10.5	14.2 53.2 14.0	14.4 41.3 15.9	10.6 37.6 24.6	11.6 49.3 17.6
ŠW W	2.8 1.9	2.7	.3	•0	.0		5.8	7.0	4,8 3,6	5.0	9.2	5.6 3.8
NW VAR	1.4	.0	.3 .0	•1	.0		2.3	.0	2.1 .0 2.2	3.2 .0 4.7	.3 .0 2.7	2.3
CALM TOT OBS TOT PCT	3.8 428 33.8	600 47.4	225 17.8	13	.0	1246	3.8	10:2	181	450	187	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1882-1971 (OVER-ALL) 1854-1971

TARLE 4

AREA 0003 SUNDA STRAIT 5.55 104.8E

PERCENTAGE	ERECHENCY	ne.	MIND	SOCED	84	HOUSE	CONTS
PERCENIAGE	PREQUENCT	ur	MIND	SPECU	ים	אטטיי	(GRI)

HQUR	CALM	1-3	4-10	WIND 11-21		KNOTS) 34-47	48+	MEAN	PCT FREQ	TOTAL DBS
00603	2.2	7.7	46.4	36.5	6.6	-6	.0	10.7	100.0	181
90360	4.7	12.0	47.1	31.8	4.2	. 2	.0		100.0	450
12415	2.7	8.0	43.9	37.4	8.0	.0	.0	10.8	100.0	177
18621	4.0	5.1	47.3	37.1	6.3	.2	• 0		100.0	448
T3T	48	106	590	445	74	3	Ö	10.2		1266
PCT	3.8	8.4	46.6	35.2	5.8	.2	.0		100.0	•. •-

TARLE 5

TABLE D

í	PCT FRE			CLOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	3 & 085CD	TOTAL COS	HEAN GLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH €5/8 ANY HGT	
N	1.0	.0	.0	•0		2.0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	1.0	
NE	2.6	1.3	2.6	.0		3.0	•0	.0	.0	1.3	1.3	.0	.0	•0	•0	.0	3.9	
E	3.6	5.2	2.9	1.3		3.9	•0	.0	1.3	.0	.0	.0	.0	•0	•0	.0	11.7	
SE	9.1	7.8	18.8	5.2		4.8	•0	•0	.0	1.3	4.2	2.6	.0	•0	1.3	2.6	28.9	
S	5.2	3.6	9.1	1.3		4.4	•0	•0	.0	.0	2.3	.0	.0	•0	•0	.0	16.9	
SW	5.5	2.9	2.9	1.6		3.4	• 0	• 0	• 2	.0	1.6	• 2	•0	•0	.0	.0	11.4	
W	.0	.0	1.3	1.0		7.4	•0	• 0		٠٥	2.3	• 0	. 0	• 0	•0	.0	•0	
MA	. 3	.0	1.3	1.3		6.4	•0	.0	.0	1.3	1.3	.0	.0	•0	•0	.0	. 3	
VAR	.0	.0	.0	.0		· U	•0	• 0	.0	.0	.0	.0	.0	•0	.0	.0	.0	
CALM	.0	.0	1.3	•0		5.0	•0	.0	. ,	•0	.0	.0	.0	•0	•0		1.3	
TOT DBS	21	16	31	9	77	4.4	0	^	1	3	10	Ž	0	ō	i	ž	58	77
TOT PCT	27.3	20.8	40.3	11-7	100.0		•0	•0	1.3	3.9	13.0	2.6	.0	•0	1.3	2.6	75.3	100.C

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

	VSBY (*IH)									
CE II ING	<ul> <li>r)2</li> </ul>	- JR	= GR	• DR	e DR	• GR	= OR	- OR		
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0		
• DR >6500	2.6	3.8	3.5	3.8	3.5	3.8	3.8	٥.٤		
<ul> <li>■ OR &gt;5000</li> </ul>	2.6	3.8	3.8	3.8	3.5	3.8	3.8	3.8		
■ OR >3500	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1		
■ DR >2000	5.1	6.4	7.7	7.7	7.7	7.7	7.7	7.7		
<ul> <li>DR &gt;1000</li> </ul>	15.4	19.2	20.5	20.5	20.5	20.5	20.5	20.5		
■ DR >600	19.2	23.1	24.4	24.4	24.4	24.4	24.4	24.4		
<ul> <li>□R &gt;300</li> </ul>	19.2	24.4	25.6	25.6	25.6	25.6	25.6	25.6		
• DR >150	19.2	24.6	25.6	25.6	25.6	25.6	25.6	25.6		
• DR > 0	19.2	24.4	25.6	25.6	25.6	25.6	25.6	25.6		
TOTAL	15	19	20	20	20	20	20	20		

TOTAL NUMBER OF OBS: 76

PCT FREQ NH <5/81 74.4

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

8 DBSCD DBS 5 6 7 0 1 2 3 4 12.5 14.3 22.5 12.5 11.3 7.5 8.8 1.3 7.5 .0

PAGE 208

**C**: (

SEPTEMBER

PERIOD: (PRIMARY) 1882-1971		AREA 0003 SUNDA STRAIT
(OVER-ALL) 1854-1971	TABLE 8	5.55 104.8E

		•	*****	PRE:	IPITAT	ION WI	TH VAR	ING V	LUES	OF V:S	IBILI	URRENC TY	C 01
V58Y (NH)		*	NE.	£	SE	s	S¥	¥	Nw	VAR	CALM	PCT	TOTAL
,,	PCP	.c	. 6	.0	.0	.6	. e	.0	.c	.0		1.2	
<b>c</b> 1/2	NO PCP	.č		.5	.5	•0		è	.0	.0	.5		
(1) (	TOT \$	.6	.6	.č		•6	i.e	ě	.5	.5	.5	1.2	
	PCP	.c	.0	.0	.0	• 0	• •	• 2	.0	.0	. 5	.0	
1/2<:		٠.	.0	.0	•0	• 0	• 0	• 0	• 0	. 0	• 0	.0	
	TOT %	۰.	.0	.0	.0	• 0	• *	٠.	•0	•0	• 5	.0	
	PCP	.¢	.0	.0	.0	• 0	• 2	.0	ن ٠	.0	•5	.c	
1<2	NO PEP	٠.	.5	.0	•0	• 6	• 2	• 2	.6	.0	• 2		
	TOT \$	•c	.0	.0	.0	• 6	• ^	. 5	• 6	.0	•0	1.2	
	PCP	٠,٠	.0	.0	• 6	.0	٠,	.0	.0	.0	.0		
2<5	NO PCP	• • •	.0	.6	. 6	•0	• 0	.0	.0	.0	• 0		
	TOT \$	.:	••	.6	1.2	.0	• 0	.0	•0	.0	•0	1.8	
	PCP	.^	3.°	.6	.6	• 0	.0	.0	.0	.0	• 2	1.2	
5<10	NO DCD	3.4	3.	4.8	4.6	2.5	2.9	.0	. 3	• 0	.0		
	TOT %	3,4	3.7	5.4	5.2	2.5	2.9	•0	.3	•0	•0	23.3	
	PCP	.0	.0	.6	•0	•0	.0	.0	. 6	.0	.0		
10+	NO PEP	1.7	6.7	7.2	30.2	13.6	7.8	2.0	1.1	.0	.6	71.2	
	TOT \$	1.7	6.7	7.8	30.2	13.8	7.8	2.0	1.7	•0	.6	72.4	
	TOT DBS												16
	TOT PCT	5.1	10.4	13.8	36.7	17.5	11.3	2.0	2.6	.0	. 6	105.3	

TABLE 0

(44)	SPD	N.	٧E	E	Sé	S	5 w		NW	VAR	CALM	PCT	TOTAL
	KTS							_		_		_	085
	0-3	• :	-1	.0	.0	•0	٠.	.0	.0	.0	.0	.3	
(1/2	4-10	٠.	.0	•0	.0	.3	.3	••	.0	٠.		.6	
	11-21	٠.	.0	•0	. 3	•0	.0	.0	.0	٠.٥		.3	
	22+	.0	•0	• 0	.0	•0	.0	.0	.0	٠.	_	0	
	TOT %	•:	-1	•0	.3	, 3	.3	•0	.0	.0	•0	1.1	
	0-3	.0	.0	•c	.0	.0	.0	.0	.0	٠.	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	•0	٠,	• 5	• •	.0		• 5	
	11-21	.0	٠.	• 0	• 0	•0	.0	•0	•0	.0		.0	
	22+	.0	• 0	• 0	• 0	.0	. 3	• • •	.0	.0		.0	
	TOT %	.0	٠,	•0	•0	.0	.0	. 0	.3	.0	.0	۰.	
	0-3	.0	. 0	•0	. 2	•0	.0	.0	.3	.0	.0	.3	
1<2	4-10	.0	.0	. 3	.6	.3	.0	.0	٠.	.0		1.1	
	11-21	.0	.0	• 0	.0	•0	.0	.0	.0	.0		•0	
	22+	.0	.0	•0	.0	.0	.0	•0	.0	.0		.0	
	101 %	.0	•0	. 3	.6	.3	•0	٠.0	.3	.0	.0	1.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
2<5	4-10	٠0	•0	.3	.3	•0	.0	. 3	.0	.0		. 6	
	11-21	٠.	٠.	• 0	.3	•0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.3	.0	.0	٠.	.0	.0		.3	
	TOT %	.0	•0	. 3	.8	•0	.0	. 3	•0	.0	.3	1.7	
	0-3	.4	٠.	. 3	.0	.0	.0	.0	-0	.0	.0		
5<10	4-10	1.4	1.6	1.1	2.3	. 9	.5	.0	. 1	.0		7.9	
	11-21	.0	.1	1.3	3.0	.7	. 8	.0	.0	.0		5,9	
	22+	.0	.0	• 2	. 4	• 2	.0	.0	.0	.0			
	TOT %	1.8	1.8	2.9	5.6	1.8	1.3	.0	.1	.0	.0	15.5	
	0-3	.6	1.1	•0	1.7	.6	1.1	-6		.0	1.1	7.6	
10+	4-10	.9	2.8	7.6	14.5	9.3	3.2	.7	. 2	.0		39.3	
	11-21	.0	.6	1.7	20.7	5.8	1.3	.4	.4	.c		30.8	
	22+	.0	.0	.1	1.8	.3	.0	.0	.3	.c		2.5	
	TOT \$	1.5	4.5	9.4	38.8	16.0	5.6	1.6	1.8	.0	1.1	80.2	

CEC	TE	41	158

PERIODI	(PRIMARY)	1382-1971
	(OVER-ALL)	1854-1971

TABLE 10

AREA 0003 SUNDA STRAIT 5.55 104.8E

PERCENT	FREQUENCY OF CRICING	""GHTS (FEET,NH >4/8)	AND
	OCCUPACION N		

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TÓTAL	NH <5/8 ANY HGT	TOTAL OBS
10203	.0	.0	.0	7.4	22.2	3.7	.0	.0	.0	•0	33.3	65.7	27
90360	.0	.0	.0	.0	11.1	5.6	.0	.0	.0	•0	16.7	83.3	18
12615	.0	.0	.0	.0	5.9	.0	5.9	.0	.0	.0	11.8	88.2	17
18621	.0	.0	5.6	5.6	5.6	•0	.0	.0	5.6	11.1	33.3	66.7	18
TOT	0	0	, 1	. 3	10	2 2	, 1	0	, 1	2.5	20	60 75.0	80

TABLE 11

TABLE 17

		PERCENT	FREQUENC	Y V58Y	(NH)	BY HOUR		CUMULAT		E PCT FREQ EILING HGT				
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GMT)	<150 <50Y9	<600 <1	<1000 <5	1000+ AND5+	HH <5/8	TOTAL OBS
60300	•0	.0	1.4	1.4	16.9	80.3	71	50300	.0	.0	11.1	22.2	66.7	27
06509	1.0	.0	1.0	2.0	15.2	80.8	49	06809	٥.	.0	.0	17.6	82.4	17
12515	1.5	.0	•0	1.5	19.4	77.6	67	12615	.0	.0	.0	12.5	87.5	16
18621	1.6	.0	2.4	1.6	15.9	78.6	126	18621	.0	5.5	16.7	22.2	61.1	18
TOT PCT	1.1	.0	5 1.4	1.7	60 16.5	288 79.3	363 100.0	TOT PCT	.0	1.3	7.7	15	57 73.1	78 100•0

TABLE 13

				TABL	E 14				
	PERC	ENT FR	EOUENC	Y 0F W	IND DI	RECTION	4 BY T	EMP	
N	NE	E	32	5	SW	¥	NW	YAR	CALM
5.9	11:0	1.0 7.0 4.0	3.0 28.3 5.0	2.0 11.5 2.0	2.0 10.0 1.0	1.8	2.8 1.0	.0 .0	1.0
5.8	11.0	12.0	36.3	15.5	13.0	1.8	3.8	•0	1.0

PEPCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-106 OBS FREC

TABLE 15										TABLE 1A								
	HEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEN	P (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIH	BY HOUR	
HOUR (GMT)	MAX	99\$	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
	89	85	83	81	77	75	70	80.6	181	00603	.0	.0	. 3	46.7	40.0	10.0	81	30
00803 90360	94	91	67	83	79	77	77	83.0	432	90380	• 0	·ŏ	35.3	28.6	38.1	.0	74	21
12615	89	86	84	82	78	76	76	61.5	187	12615	.0	.0	•0	47.8	52.2	.0	80	23
18821	89	86	84	80	77	74	73	80.4	438	18621	.0	.0	•0	28.1	62.5	9.4	83	32
TOT	94	89	86	82	78	76	70	81.5	1238	TGT	0	Ŏ	8	40	52	6	80	106

PAGE 210

• C

, X

SEPTEMBER

PERIOD: (PRIMARY) 1882-1971 (OVER-ALL) 1854-1971

TABLE 17

AREA 0003 SUNDA STRAIT 5.55 104.8E

PCT FREG OF AIR YEMPERATURE (DEG F) AND THE CCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					>92			41.5
AIR-SEA	77	81	85	89	176	101	M	MD
THP DIF	50	84	88	92			FDG	FOG
11/13	٠.	.0	٠.	.c	.7	1	*C	.7
7/8	.0	• 7	.0	.0	.0	ĭ	•0	. 2
4	.0	.7	.0	1.4	.0	ž	•0	2.1
š		.7	.ŏ	٠.٥	.0	ī	• 0	7.7
2	.0	1.4	2.1	.0	.0	دَ	.0	3.6
	.0	2.1	2.9	.0	.0	7	•0	5.0
-1	2.9	18.6	1.4	.0	.0	32	• 0	22.9
-1	4.3	17.9	.0	.0	•0	31	.0	22.1
-2	9.3	12.1	٠,٥	• 0	.0	30	.7	20.7
-3	5.7	3.6	.7	.0	.0	14	• 0	10.0
-4	5.7	2.1	.0	٠,	.0	11	.0	7.9
-5	1.*	.0	.0	.0	.0	2	•0	1.4
-6	.7	• 0	.0	.0	.0	1	• 0	.7
-9/-10	.7	.0	.0	.0	.0	1	•0	.7
TOTAL	43		10	-	1		1	139
		84		2		140		
PCT	20.7		7.1	1.4	. 7	100.0	.7	90.3

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

				PC	T FREG S	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	72-33	34-47	48+	PCT
<1	0	1.8	•0	.0	.5	•0	1.8	.0	2.4	•0	.0	•0	.0	2.4
1-2	.0		·ŏ					.0	2.4	2.4			.0	4.8
3-4	ě	.ŏ	.0	.5	ò	.0	.0	, 1	.0	• 0	.0	•0	.0	•0
5-6	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0
8-9	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	•0
10-11	.0	.0	.0	.0	.0	.0	.0	•0	•0	•0	.0	•0	.0	•0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	•0
13-16	.0	.0	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0
17-19	.0	.0	•0	•0	.0	•0	.0	•0	•0	.0	•0	•0	•0	•0
20-22	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	.0	•0	•0	•0
23-25	.0	.0	•0	•0	.0	•0	.0	•0	•0	٠,	•0	•0	•0	•0
26-32	• `	.0	•0	•0	.0	• 0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	•	.0	•0	•0	۰0	•0	•0	•0	•0	•0	•0	•0	.0	٠٥
41-48	.0	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	•0	•0	•0
49-50	.0	.0	•0	•0	•0	•0	•0	.0	•0	•0	•0	• 0	•0	•0
61-70	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	٥.	• 0	•0
71-06	•0	•0	•0	•0	•0	•0	•0	•0	•9	•0	•0	•0	•0	•0
87+	.0	0	•0	•0	.0	•0	.•0		4:8	0	•0	•0	•0	.0 7.1
TOT PCT	•0	1.8	•0	.0	•0	•0	1.8	•0		2.4	•0	•0	••	7.1
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	484	PCT
<1	.0	.0	•0	.0	.0	.0	.0	•0	2.4	•0	.0	•0	.0	2.4
1-2	.0	12.5	.0	.0	.0	.0	12.5	2,4	5.4	7.1	•0	•0	.0	14.9
3-4	.0	.0	2.4	.0	.0	.0	2.4	.0	9.5	4.8	.0	•0	.0	14.3
5-0	٠.	.0	•0	•0	٠.	•0	.0	•0	•0	4.8	•0	•0	٠0	4.8
7	.0	.0	.0	•0	.0	•0	•0	• 0	•0	.0	•0	•0	.0	•0
8-9	٠0	.0	•0	1.8	•0	.0	1.8	•0	•0	•0	1.2	•0	.0	1.2
10-11	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0
12	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	.0	•0	•0	•0
13-16	•0	.0	•0	.0	.0	.0	•0	•3	•0	.0	•0	•0	•0	•0
17-19	.0	•0	•0	•0	•0	•0	•0	•0	•0	٠.	•0	•0	•0	•0
20-22	•0	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	•0
23-25	•0	.0	•0	.0	٠.	.0	•0	•0	ŏ	•0	.0	.0	.0	.0
26-32	.0	•0	•0	•0	•0		•0		.0		.0	•0	.0	.0
33-40	•0	.0	•0	.0	.0	.0	•0	•0	.0	.0	.0	•0	:0	•0
41-48	•0	.0	•0	.0	.0	.0	•0	•0	.0	••	.0	•0	.0	•0
49-60 61-70	•0	.0	•0	.0	.0	.0	.0	۵	.0	.0	.0	•0	.0	.0
71-86	.0	.0	•0	•0	.0	.0	.0		ě	.0	.0	•0	.ŏ	.0
71-86 87+	:0	.0	•0	.0	.0	.0	•0	.6	ö		:0	.0	.0	.0
TOT PCT	:0	12.5	2.4	1.8	.0	0.	16.7	2.4	17.3	16.7	1.2	.0	.0	37.5
101 PC1	•0	16.3	2.7	1.0	•0	••	1007	2.4			4.2	••	•••	-, .,

PERIOD:	(OVE	R-ALI)	1963-1	971				SE	PTEMBER				AREA	0003 \$	UNDA STRAI
			• • • • •					TABLE 1	8 (CONT	)				5.5	5 104.8E
				PC	T FREG U	F WIND	SPEED	(KTS) A	NO DIREC	TION V	ERSUS S	EA HEIG	HTS (FT	)	
				٢.					_			SW			
HGT	1-3	4-10	11-21	22-13	34-47	48+	PCT		1+3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.2	•0	•0	.0	.0	4.2		2.4	.6	.0	•0	•0	.0	3.0
1-2	.0	5.4	4.2	.0	.0	.0	9.5		.0	5.4	3.0	.0	.0	.0	8.3
3-4	.0	.0	2.4	.0	.0	.0	2.4		•0	•0	2.4	.0	•0	.0	2.4
5-6	.0	.0	•0	.0	.0	.0	.0		.0	.0	2.4	.0	.0	.0	2.4
7	.0	.с	•0	.0	.0	.0	.0		. 2	.0	.0	.0	•0	.0	.0
8-9	.0	.0	•0	1.8	.0	.0	1.8		.0	.0	.0	. 0	.0	.0	•0
0-11	.0	.0	•0	•0	.0	.0	•0		.0	.0	.0	•0	.0	.0	•0
12	.0	.0	.0	.0	.0	.0	iŏ		.0	:0	.0	•0	.0	.0	•0
3-16	.5	.0	•0	.0	.0	.0	.0		.0	.0		·ŏ	.0	.0	•0
7-19	.0	.0	.0	•0	.ŏ	.0	•0		.0	.0	.0	.0	.0	.0	.0

17-19	.0	.0	.0	•0	.0	•0	•0	•0	.0	.0	.0	•0	•0	•0	
20-22	.0	.0	•0	•0	.0	.0	•0	.0	•0	.0	•0	•0	.0	.0	
23-25	٠.	.0	.0	•0	.0	•0	•0	•0	•0	.0	.0	•0	•0	•0	
26-32	.0	.0	•0	•0	.0	.0	•0	•0	.0	.0	.0	.0	.0	•0	
33-40	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	•0	
41-48	.0	.0	•0	•6	.0	.0	•0	•0	.0	• • •	<b>√</b> 0	.0	.0	.0	
49-60	.0	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	•0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	•0	.0	
71-86	. 6	.0	•0	•0	.0	.0	•0	.0	.0	.0	.0	•0	.0	•0	
87+	.0	.0	.0	.0	.0	.0	•0	•0	• 0	•0	.0	•0	•0	.0	
TOT PCT	•0	9.5	6.5	1.8	•0	•0	17.9	2.4	6.0	7,7	•0	•0	•0	16.1	
				w							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCT	1=3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1		2.4	•0		.0		2.4	.0	. 6		.0	•0	.0	. 6	
1-2			•0		.0	.0	.0	. 0	.0	.0	•0	ō	.0	.0	
3-4	č	.0	·ŏ	.ŏ	.0		•0	ŏ	:0	ŏ	.0	ŏ	.0	.0	
5-6	.0	.0	.ŏ	.0	ě			ő	ō	.0		, ŏ	ŏ	.0	
7	.0	.0	.0	•0	.0	.0	•0	, c	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
12	. ၁	.0	•0	.0	.0	.0	•0	•0	.0	.0	٠٥.	•0	.0	.0	
13-16	.0	.0	•0	-0	•0	.0	•0	•0	.0	.0	٥.	•0	. 0	.0	
17-19	.0	.0	•0	•0	•0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	•0	.0	.0	.0	•0	•0	.0	.0	•0	•0	•0	.0	
23-25	•0	.0	•0	.0		.0	•0	.0	•0	•0	•0	• 9	.0	•0	
26-32	.0	.0	•0	.0	•0	.0	.0	•0	.0	.0	.0	•0	.0	•0	
33-40	.0	.0	•0	-0	•0	.0	•0	•0	.0	.0	.0	•0	•0	•0	
41-48	•0	.0	•0	-0	.0	.0	•0	•0	•0	.0	•0	.0	.0	.0	
49-60	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0	.0	.0	•0	•0	
61-70	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0	
71-86	٠.6	.0	•0	٠٥	.0	٠.	•0	• 2	•0	•0	•0	•0	.0	•0	
87+	.0	.0	.0	.0	•0	.0	•0	•0	•0	٠.	.0	.0	.0	•0	

WIND	SPEED	(KTS)	٧S	SEA	HEIGHT	(FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.4	14.3	.0	.0	.0	.0	16.7	0.53
1-2	2.4	31.0	16.7	.0	.0	•0	50.0	
3-4	.0	9.5	11.9	.0	.0	.0	21.4	
5-6	.0	.0	7.1	.0	.0	.0	7.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	4.8	.0		4.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	•0	.0	.0	.0	.0	
17-19	. 0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	,0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.o	
26-32	.0	.0	.0	ŏ	•0	.0	.0	
33-40	.0	•0	.0	.0	.0	.0	.0	
41-48		.ŏ	.0	.0	.0	. 0	.ŏ	
49-60	.0	.0	.0	ŏ	.0	.0	.ŏ	
61-70					.0	.0		
71-86	.ŏ	.0		ŏ	.0		.õ	
87+			::	:0			ö	
314	••	••		••	•••	•••		42
TOT PCT	4.8	54.8	35.7	4.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF MAVE MEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
(SEC)				, .			•				^	^			^	^	•	^	•	41	101
<6	10.4	28.4	14.9	4.5	.0	3.0	.0	.0		.0	• •			.0	• •	· v	• •	,,,		7.5	2
6-7	•0	3.0	4.5	4.5	6.0	1.5	.0	.0	.0	.0	.0		٠.٥	• • • •	.0	.0	.0	.0	.0	13	5
8-9	.0	.0	1.5	4.5	1.5	1.5	.0	.o	.0	-0	:0	.0	.0	.0	.0	.0	.0	.0	.0		6
10-11	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	1	
12+13	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	:0	.0	.0	.0	.0	.0	.0	:0	.0	0	
>13	•0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	70	.0	.0	0	.0	.0	.0	.0	.0	0	
INDET	3.0	3.0	3.0	.0	.0	٠,0	.0	.0	0	.0	:0	.0	.0	0	.0	.0	.0	:0	٠.	6	2
TOTAL	9	23	16	9	5	5	0	0	. 0	٥	0	0	. 0	. 0	0	. 0	0	. 0	0	37	3
	19 4	24 2					À				٠,٠				^		^	٠,	•	100.0	

PAGE 212

**(** 

AREA 0003 SUNDA STRAIT 5.65 104.7E

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	ARNA	
WND DIR	RAIN	RAIN Shwr	PRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNDW	ND SIG WEA
N	4.8	.0	4.8	.0	.0	.0	.0	9.5	•0	.0	.0	.0	9.5	•0	81.0
NF	4.7	.0	.0	.0	.0	.0	.0	4.7	.0	18.6	.0	.0	18.6	40	58.1
Ε	٠.0	.0	.0	.0	. 0	.0	.0	.0	2.7	3.6	.0	.0	1.6	• 0	92.0
SE	۰٥	.0	1.9	.0	.0	.0	.0	1.9	2.4	7.6	1.9	.0	1.9	.0	84.4
S	.0	1.5	.0	.0	.0	.0	.0	1.5	2.9	8.8	5.8	.0	4.4	•0	76.0
Š۲	6.7	10.0	.0	. č	.0	. 0	.c	16.7	6.7	6.7		.c	6.7	.0	63.3
W	8.2	16.3	.0	.0	.0	.0		24.5	.0			.0	8.2	ě	67.3
Ñ₩	31.6		5.3		.ŏ	.ŏ		36.8	ě	10.5	:0	ŏ	.0	•0	63.2
VAR		.ŏ		.0				30.0	ŏ		.0	ě			
														•0	
CALF	.0	.0	.0	.0	•0	.0	•0	.0	•0	•0	•0	•0	20.0	•0	80.0
TOT PCT	3.4 178	2.2	1.1	.0	•0	.0	•0	6.7	2.2	6.7	1.7	.0	5.1	•0	78.1

TABLE 2

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	<b>HEATHER</b>	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	OR7L	FRZG PCPN	SNOM	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR	FOG NO PCPN	PUG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND S1G WEA
00603 06609 12615 18621	7.7 .0 4.2 4.0	2.6 1.8 .0 6.0	2.6 .0 2.1	.0	.0	.0	.0	12.8 1.6 6.3 10.0	2.6 1.8 2.1 4.0	.0 .0 8.3 18.0	2.6 .0 .0	.0 .0	7.7 3.5 2.1 8.0	.0 .0 .0	74.4 93.0 81.3 58.0
TOT PCT	3.6	2.6	1.0	.0	•0	.0	•0	7.2	2.6	6.7	1.5	.0	5.2	•0	77.3

### TABLE 3

### PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KNO 22-33			*0***		MEAN	••				(GMT)			
WHO 514	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PREQ	SPD	00	03	06	09	12	15	18	21
NE NE	1.0	2.1 2.8	.2	.0	•0	.0		3.3	6.5	2.7	25.0	3.7 5.4	4.9 7.3	5.6 5.3	• 0	2.4 5.2	1.8
€ 5 <b>F</b> 5	2.0 1.6 2.2	5.4 14.7 9.4	7.3 17.2 8.4	2.2 1.2	•0	•0		9.7 35.7 21.2	7.7 11.8 10.7	11.7 41.1 18.8	25.0 .0	12.5 31.9 17.3	7.0 35.2 23.6	8.9 36.1 24.4	14.9 35.7 7.1	36.3	36.5
Sw W	. 0	9.5	1.9	.0	.0	.0		8.2	8.1	8.5 7.0	12.5	9,3 7,0	7.0	7.1	14.3	23.1 9.1 5.8	21 • 9 7 • 4 8 • 7
NH VAR	.0	3.2	1.7	.1	.0	.0		5.4	9.3	5.8	37.5	6.2	4.6	3.1	14.3	5.0	6.9
CALP TOT CBS TOT PCT	5.2 192 15.3	589 46.9	428 34.0		.0	.0	1257	5.2	9:5	3.6 165 100.0	100.0	281 100.0	4.3 164 100.0	209 100.0	•0 7 100•0	231 100.0	7.1 196 100.0

### TABLE 3A

NND DIR	0-0	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL GBS	PCT FREQ	MEAN SPD	00 03	HDU1 06 09	(GHT: 12 15	18 21
N	1.8	1.4	.2	.0	.0		3.3	6.5	.9	4.2	5.9	2.1
NE	2.8	1.9	• 0	.0	.0		4.8	6.2	3.3	6.1	5.1	3.7
E	4.9	4.1		.0	.0		9.7	7.7	12.0	10.5	9.0	8.3
58	7.1	20.1	8.2	.3	.0		35.7	11.8	40.1	33.1	36.1	36.4
5	5.9	11.5	3.6	.2	.0		21.2	10.7	18,3	19.7	23.8	22.5
96	3.7	3.9	. 6	.0	.0		8.2	8.i	1,3	8.5	7.3	1.3
W	3.0	2.5	, 9	i	.0		6.5	9.2	7,1	6.7	4.6	7.1
ЙW	2.0	2.9	. 5	•	.0		5.4	9.3	6.5	3.6	3.5	5.9
VAR		0	.0	.0			.0				7.6	
CALH	5.2	•••	• • •	••	• •		5.2		3.6	5.6	4.6	
TOT DAS	496	608	185	•	٥	1257	,,,	9.5	169	445	216	5.6 427
TOT PCT	36.3	48.4	14.7	.6	.ŏ		100.0	***		100.0		

PERIOD: (PRIMARY) 1879-1971 (OVEP-ALL) 1854-1971

TARLE 4

AREA 0003 SUNDA STRAIT 5.65 104.7E

PERCENTAGE	FREQUENCY	CF	WIND	SPEFD	94	HOUR	(GYT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	3.6	9.5	44.6	38.5	3.0	.0	.0	10.0	100.0	169
60390	5.6	10.6	46.5	34.6	2.7	.5	.0	9.2	100.0	445
12615	4.6	12.5	43.5	30.1	3.2	•0	.0	9.6	100.0	216
18621	5.5	8.7	49.4	30.7	5.5	.0	٠,	9.4	100.0	427
TOT	65	127	>89	428	48	Š	á	9.5		1257
PCT	5.2	10.1	46.9	34.0	3.4	.0	.0		100.0	•

TABLE 5

				ance 2									IBLE O					
P	CT FRE			CLOUD A		(EIGHTHS)		1					CEILIN					
WND DIR	0-2	3-4	5-7	8 & 035CD	TOTAL	COVER	000 149	150 297	300 197	993	1000 1999	2000 3499	3500 4999	5000 6499	650n 7999	8000+	NH <5/8 ANY HGT	
N	.0	.0	2.4	•0		6.2	•0	•0	٠,	.0	1.4		.0	•0	•0	.0	1.0	
NE	1.2	٠.	1.0	.0		2.4	• 0	• • •	. 0	• 0	1.0	• 2	٠,		.0	.0	1.2	
E	6.5	4.6	5.0	3		4.3	•0	.0	.c	.0	1.7		.0	•0	•0	.0	17.3	
SE	3.1	17.3	12.7	7.2		5.3	• 0	.0	. 5	7.0	3.1	1.2	1.0	•0	1.0	.0	22.1	
S	3.1	3.1	9.6	1.7		5.0	•0	•0	.0	2.4	.0	1.0	.0	•0	•0	1.0		
SW	1.4	. 5	3.8	1.9		5.6	• 0	.0	.0	.2	.0	.0	1.0	.0	.0	.0		
4	1.0	1.7	2.4	1.9		5.1	•0	. ^	.0	.0	.0	1.0	1.9	•0	•0	.0	4.1	
NH	.c	.0	3.4			7.0	•0	.0	.0	.0	1.4		1.0	•0	٥٠	.0	1.9	
VÁR	. 0	.0	•0	.0		•0	• 0	• 2	.0	.0		• 5		•0	.0	ě		
CALM	1.9	1.0	1.0			3.2	•0	•0	. 0	.0	.0	•0	.0	•0	•0			
TOT DAS	19	24	43	18	104	5.0	ŏ	0	·ŏ	iŏ	• •	• • •	• 5		• • • •	•	74	104
TOT PCT	18.3	23.1	41.3	17.3	100.0		•ŏ	•0	•0	9.6	8.7	3.6	4.8	•0	1.0	1.5	71.2	100.0

TABLE 7

CUMULATIVE	PCT FREG	DF	SIAULT	ANE DUS	<b>DECURRENCE</b>
OF CEILIN	S HEIGHT	INF	94/81	AND V	SBY (NH)

				VSBY (NM	1)			
CEILING	• DR	* TR	• QR	■ nr	• DR	♥ OR	- JR	- OR
(FEFT)	>10	>5	>2	>1	>1/5	>1/4	>5040	>0
• CR >6500	1.8	1.8	1.8	1.8	1.5	1.8	1.8	1.8
■ OR >5000	1.8	1.8	1.8	1.8	1.3	1.8	1.2	1.8
■ OR >3500	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
<ul><li>OR &gt;2000</li></ul>	9.0	10.8	10.8	10.8	19.8	10.5	10.8	15.8
■ DR >1000	16.2	18.9	19.8	19.8	19.8	19.8	19.8	19.8
■ DR >6G0	23.4	27.9	29.7	29.7	29.7	29.7	29.7	29.7
■ OR >300	23.4	27.9	29.7	29.7	29.7	29.7	29.7	29.7
• DR >150	23.4	27.9	29.7	29.7	29.7	29.7	29.7	29.7
• OR > 0	23.4	27.9	29.7	29.7	29.7	29.7	29.7	29.7
TOTAL	26	31	33	13	33		33	23

TOTAL NUMBER OF DBS: 111 PCT FREQ NH <5/8: 70.3

TABLE 7A

### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL 0 1 2 3 4 5 6 7 8 OBSCO OBS 7.8 13.9 21.7 14.8 13.0 7.0 9.6 2.6 9.6 .0 115

OCTORER

PERIOD: (PRIMARY) 1879-1971 (OVER-ALL) 1854-1971

TABLE 8

APEA 0003 SUNDA STRAIT 5.65 104.7E

		P	FRCENT			D DIREC							E OF
VSBV (NK)		٨	NE	E	SE	S	Sĸ	۳	NW	VAR	CALM	PCT	7074L
	PCP	.5	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	
<1/2	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	,c	
	TOT %	.6	.0	.0	.0	٠٥	.0	·c	•0	.0	•0	.0	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	
	TOT \$	.0	.0	.0	.0	•0	.0	.0	•0	.0	•0	.0	
	PCP	.c	.0	.0	.0	• •	•0	.0	.6	.0	•6	.6	
1<2	NO PCP	. ŧ	1.1	. 3	. 3	. 6	.6	.0	.0	.0	•6	3.9	
	TOT &	.6	1.1	. 3	. 3	٠٥.	. 6	.0	.6	•0	•6	4,5	
	PCP	٠,	.0	.0	.0	•0	.0	.0	1.1	.0	.0	1.1	
2<5	NO PCP	٠.	.0	.0	.6	•0	.0	.0	.0	.0	•0	.6	
	TOT \$	.0	.0	.0	.6	•0	• 0	.0	1.1	.0	•0	1.7	
	PCP	. 3	.3	.0	.6	. 3		1.1	.0	.0	•0	3.4	
5<10	40 PCP	2.2	1.4	3.4	7.2	6.6	1.1	.0	.0	. C	• 0	21.9	
	TOT \$	2.5	1.7	3.4	7.7	6.9	2.0	1.1	•0	•0	• 3	25.3	
	PCP	. 3	.c	.0	.0	•0	. e	.6	.3	.0	.0	1.7	
10+	NO PCP	2,4	3.7	12.1	21.1	11.8	5.3	5.2	3.4	.0	:.:	66.9	
•	TOT &	2.8	3.2	12.1	21.1	11.8	5.9	5.A	3.7	•0	2.2	69.5	
	TOT DBS												178
	TOT PCT	5.9	6.0	15.7	29.6	19.2	8.4	6.9	5.3	.0	2.8	100.0	•

TABLE 9

				PERCEN	T FREQ WITH V	OF WI! ARYING	VALUE:	ECTION 5 OF VI	VS WI!	ND SPE ITY	ED		
VSBY (NN)	SPD KTS	N	HE	E	SE	S	SW	×	NW	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	.0	•0	•0	•0	.0	٥.	.0	.c	.0	.0	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	٠.	.0	.0	
1/2<1	4-10	.0	.0	.1	.1	.0	.0	٠.	.0	.0		. 3	
	11-21	.0	.0	•0	.0	•0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	•0	.0	٠.	.0	.0		.0	
	TOT %	•0	•0	+1	• 1	•0	.0	. 3	.0	.0	•0	.3	
	0-3	.0	.3	.0	.0	.0	.0	.0	. 2	.0	.3	.5	
1<2	4-10	.3	.3	-1	-1	.3	.3	.c	.0	.0		1.3	
	11-21	.0	•0	.0	•0	•0	.0	.0	. 5	.0		.5	
	22+	.0	.0	•0	.0	•0	.0	٠.	.0	.0		.0	
	TOT \$	.3	.5	•1	•1	.3	.3	.0	.5	.0	.3	2.4	
	0-3	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.7	•1	.3	• 1	.7	.0		1.8	
	11-21	.0	•0	•0	•0	. 3	. Ģ	٥.	.0	.0		.3	
	22+	.0	٠.	•0	•0	•0	.0	•0	.0	.0		.0	
	TOT \$	.0	•0	•0	.7	• 4	.3	.1	.7	••	•0	2.1	
	0-3	.7	-1	. 8	.7		.3	. 1	.0	.0	.3	3.7	
5<10	4-10	. 8	٠,	1.1	1.9	5,4	. 8	- 1	.5	۰0		11.6	
	11-21	.0	•0	.5	3.6	1.0	.2	. 6	.0	.0		5.8	
	22+	.0	.0	•0	.5	.0	.0	.0	.0	.0		5	
	TOT %	1.4	1.1	2.4	6.6	7.2	1.3	.9	. 5	•0	.3	51.0	
	0-3	.5	1.4	1.6	1.1	1.7	.5	.5	.7	.0	4.7	13.2	
10+	4-10	1.4	2.2	6.1	11.1	7.0	3.4	3.2	2.2	•0		37.1	
	11-21	٠,١	.4	.,	11.7	5,9	1.6		1.2	.0		22.6	
	22+	.0	.0	.0	.7	1	.0	.0	.0	.0	_		
	TOT %	2.1	4.4	8,7	24.6	14.7	5.8	4.5	4.1	.0	4.7	73.7	
	TOT DBS	3.8	6.0	11.3	32.2	22.6	7.6	5.5	5.8	.0	5.3	100.0	380

200	10	C۵

PERIOD: (PRIMARY) 1879-1971 (OVER-ALL) 1854-1971

TARLE 10

AREA 0003 SUNDA STRAIT 5.65 104.7E

## PERCENT FREQUENCY OF CEICING HEIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	<b>4000</b> +	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	.0	.0	6.9	10.3	10.3	6.9	.0	٠,	3,4	37.9	62.1	29
90340	.0	.0	.0	10.8	5.4	2.7	2.7	٠,	•0	•0	21.6	78.4	37
12615	.0	.0	.0	10.3	10.3	•0	3.4	.0	٠.	•0	24-1	75.9	29
18621	.0	•0	•0	10.0	10.0	5.0	5.0	•0	5.0	•0	35.0	65.0	20
TOT TOQ	.0	.0	•0	9.6	10 8.7	4.3	4.3	.0	.9	.9	33 28.7	82 71.3	115 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	VSBY	(HH)	BY HOUR		CUHULAT					CHR) YB2V	
MOUR (GMT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>19+</th> <th>TOTAL OBS</th> <th>HOUR (GPT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	19+	TOTAL OBS	HOUR (GPT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	5.5	1.4	24.7	68.5	73	00603	٠,	.0	7.1	32.1	60.7	28
90360	•0	.9	1.8	1.8	15.5	90.0	110	90360	.0	•0	11.1	11.1	77.8	36
12615	.0	.0	1.3	2.5	17.7	79.5	79	12615	.0	•0	14.3	10.7	75.0	28
18821	٠,	.0	7.2	2.2	31.3	64.2	134	19851	•0	.0	10.5	26.3	63.2	19
TOT PCT	n • 3	.3	10 2.5	2.0	91 23.0		396 100.0	TOT PCT	.0	.0	12 10.8	21 18.9	78 70.3	111

TARLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT P	EQUENC	Y OF W	IND DI	RECTIO	N 8Y T	EHP	
TEMP F	0-29	30-39	40-49	50-59	40-64	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	SW	Ħ	NW	VAR	CALM
85/89 80/84 75/79 TOTAL	•0	.0	.0		5.5	28.3	4.7	0.7 1.6 13	12 105 10 127	82.7	1.6 5.1 .0	3.3	17.1 .0	25.8 .0	2.6 17.7 1.6	1.2 5.1 1.6	.0 4.1 1.6	2.8 1.6	.0	1.6 .8
PCT	.0	.0	•0	. 8	7.1		45.7		•••		5.7	3.7	18.3	24.3	21.9	7.9	5.7	4.3	٠.	3.1

TABLE 15

(

K,

, ž

TABLE 16

	HEANS,	ĘZTRFMI	S AND	PERCEN	ITTLFS	0° 7E	MP (DE	G F) 8	Y HBUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIKU	SY HOUR	i
HOUR (GMT)	HAX	99%	95%	50%	51	18	MIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
£0300	86 92	85 90	64 88	61 83	76 79	73 76	73 70	80.8	164	£0300/ 90360	.0	2.6	15.4	20.7	55.2 33.3	24.1	85 77	29 39
12615	87 86	85 85	84 84	82 61	78 77	76 75	74 74	81.5	216 429	12615 18621	•0	•0	8.3	38.9	41.7	11.1	80 82	36 38
TOT	92	88	86	62	77	75	70	81.7	1249	TOT	0	1	10	52	66	13	80	142

PARE 216

( )

CCTOBER

PERIOD: (PRIMARY) 1879-1971 (OVER-ALL) 1854-1971

TABLE 17

AREA 0003 SUNDA STRAIT 5.65 104.7E

*

PCT FRFQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	TOT	w	WB
TMP DIF	76	80	84	88		FOG	FOG
11/13	.0	•0	.0	.6	1	.0	.6
7/8	.0	.0	.6	.0	1	.0	.6
4	.0	•0	.6	. 6	2	.0	1.3
3	.0	.0	. 6	1.9	4	.0	2.5
3 2	.0	•0	3.8	1.9	9	.0	5.7
1	.0	•6	3.2	.6	7	. 6	3.8
0	.0	1.3	19.0	. 6	33	. 6	20.3
-1	.0	4.4	11.4	1.3	27	. 6	16.5
-2	.0	5.7	13.9	.0	31	.0	19.6
-1 -2 -3	.0	3.8	7.0	.0	17	.0	10.6
-4	.0	4.4	3.8	.0	13	.0	8.2
-5	.6	2.5	2.5	. 6	10	.0	6.3
-6	.6	.0	. 6	.0	2	.o	1.3
-9/-10	.6	.0	.0	.0	1	.0	.6
TOTAL	3		106	•-	•	• 3	155
	-	36		13	158	•	
PCT	1.9	22.8	67.1	8.2	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1971

TABLE 16

PCT FRED DE WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
22-3-25
26-32
33-26
41-48
49-60
61-70
71-86
TP-07
PCT 1-3 *** 4-10 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-32 26-32 549-40 61-70 71-84 57 PCT PCT 4 

									OCTOBER							
PERIOD:	(OVE	-466)	1963-1	971				TABLE	18 (CONT)				AREA	0003	SUNDA 5	
				PC	T FRED	OF HIND	SPEED	(KTS)	AND DIREC	TION	VERSUS S	FA HEIG	HT\$ (FT	)		
				<b>S</b>								5 W				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	49+	PCT	
<1	1.3	.0	0	•0	••	٠ċ	1.3		••	2.1	.0	•0	•0	.0	2.1	
1-2	•0	5.5	1.7	.0	• • •	• 0	6.4		•0	1.7	.0	.0	•0	.0	2.1	
3-4	.0	.0	6.4 2.5	•0	.0	•0	2.5		.0		.0	.0	•0	:0	¹.ć	
5_6	.0	.0	3.4	.0	.0	•0	3.4		ŏ	ě		.0	.0	.ŏ	.0	
7 8-9	.0	.0	•0	•0	.0	.0	3.0		.0	.0	.0	•0	•0	.0	.0	
10-11	.0	.0	•0	•0	.0	•0	•0		.0	.0			•0	.0	.0	
12	.,	.0	.0	•0	.0	.0			.0	.c	.č		•0	.0	.0	
13-16		.ŏ	.0	.0	.0	.0	ŏ		•0	.0	.ŏ	.ŏ	.0	ĕ	.0	
17-19	. 0	.ŏ	•0		ŏ		.0		.0	.0		.0			.0	
20-22	.ŏ		.0	.ŏ	.0		.0		.0	ō			.0	.ŏ		
23-25	•0	.0	•0	.0	.c	•0	•0		•0	. 0		•0	•0	.0	.0	
26-32	ŏ	.ŏ	.6	.0	.0		.č		.0	.0		.0	.0	. 0	.0	
33-40	.0	.0		.0	.0	.0	.0		io	, c		.č	.0	.ŏ	.0	
41-48	.0		.0	•0		•0	.0		.0	.0		•0	• C	.0	,0	
49=60	.0	.0	.c	.0	.0	.c	.0		٠,	.0		•0	•0	.0	.0	
61-70	. 5	.0	.0	.0	.0	.0	.0		.0	.0		.0	• 0	•0	.0	
71-86	• 0	.0	.0	.0	.0	.0	.0		• ^	.0		•0	.0	.0	.0	
87+	.5	.0	.0	•0	.0	•0	.0		.0	.0		•0	.0	.0	.0	
TOT PCT	1.3	5.5	14.0	•0	.0	•0	20.8		•0	3.9	.0	•0	•0	.0	5.9	
												****				TOTAL
HGT	1-3	4=10	11-21	22-33	34-47	48+	PCT		1-3	4-10	1:-21	44 22-33	34-47	48+	PCT	PCT
(1	.0	1.3	•0	.0	.0	7.0	1.3		•••			•0	.0			-61
1-2	.0	3.4	•0	.0	• 2	.0	3,4		•0	.0		.0	•5	.ŏ	•0	
3-4		3.6	.0	.0					ö				ŏ	:0	ěŏ	
5-6	ŏ	.5	č	.č	íó	• c	.č		č	.č		.5	ě	.ŏ	.0	
7	.0	.0	.0	•0	.0	.0	.0		.0	.0		.0	• 0	.0	.0	
8-9	.0	.0	.0	.0	.0	• 0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	•0	.0	.0	.0		, 5	• 0	.0	•0	•0	.0	.0	
12	. 0	.0	.0	•0	.0	•0	.0		•0	.0	.0	•0	•0	.0	.0	
13-16	.0	.0	.0	.0	.0	•0	.0		•0	.0	.0	•0	•0	.0	•0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		•0	•0	.0	.0	
20-22	.0	.0	•0	•0	.0		.0		•0	.0		•0	• 0	.0	•0	
23-25	.0	.0	•0	.0	ن.		.0		٠,0	.0		•0	•0	.0	.0	
26-32	۰.	.0	•0	•0	.0		•0		•0	.0		•0	•0	.0	.0	
33-40	.0	.0	•0	•0	.0		•0		•0	•0		•0	•0	.0	•0	
41-48	.0	.0	•0	•0	.0		.0		•0	•0		•0	۰۷	.0	.0	
49-60	.0	۰.	•0	•0	.0		• 0		•0	•0		.0	•0	.0	.0	
61-70	.0	.0	•0	•0	.0		•0		•0	•0		.0	•0	.0	•0	
71-86	•0	.0	•0	•0	.0		• • • •		•0	•0		.0	•0	.0	•0	
87+	.0	0	•0	•0	.0		4.7		•0	•0		•0	•0	.0	•0	04.4
TOT PCT	.0	4.7	•0	•0	.0	•0	4.7		•0	•0	•0	•0	•0	.0	•0	96.6

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	12-33	34-47	48+	PCT	TOT
<1	11.3	9.7	.0	.0	.0	.0	21.0	
1-2	3.2	32.3	6.5	ň	.0	.0	41.9	
3-4	.0	2.1	14.9	.0	.0	.0	21.0	
5-6	.0	.0	8.1	.0		.0	8.1	
7	.6	.0	t.5	1.6		.0	8.1	
8-9	.0	.0	.0	.0		.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	. 0	.0	.0	.0	
13-16	•0	.0	.0	.0		.0	.0	
17-19	.0	, ō	.0	.0			č	
20-22		ŏ	.0	.0		.0	.0	
23-25	.0	ō	.0	ō			.0	
26-32	.0	.ŏ	.0	.0		.0	.0	
33-40	.ŏ	.5	.0	.0			.0	
41-48		.5	.č					
49-60	.0	.0	.0					
61-70	.0	.0					.0	
71-86	ě	ŏ	č					
87+	.0	.ŏ	.č	ě			.0	
, •	••	••	••	••	••	••	••	62
707 BC+	14.5	50.0	13.0	1.4		. 0	100.0	72

PERIOD: (DVER-ALL) 1949-1971 TABLE 19 PPRCENT FREQUENCY OF MAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 87+ TOTAL

.0 54
.0 17
.0 13
.0 0
.0 1
.0 1
.0 9
.0 94
.0 100.0 *1 1-2

**6 30.**
**0 .0
**0 2.1
**0 .0
**0 .0
**0 .0
**5 .0
17 31
18.1 33.0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 3-4 12.8 6.4 3.2 .0 .0 .0 .0 21 22.3 5-6 2.1 4.3 2.1 .0 1.1 .0 ....... .000000000 000000000 . . . . . . . . . . . 000000000 2.1 7.4 2.1 .0 .0 .0 1.1 12 12.8 .000000000 .0 .0000000000 . . . . . . . . . . . . 000000000 . . . . . . . . . .

PAGE 218

e - e

AREA 0003 SUNDA STRAIT 5.65 104.7E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					STHER	WEATHER	PHEND	MENC	
MIND DIP	RAIN	RAIN SHUR	DR7L	BRZG PCF4	SNDW	OTHER FRZN PCFN	HAIL	PCPN AT	PCPN PAST MOUR	THOR LING	FDG WO PCPN	FOG HO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNDW	
N	.0	.0	.0	.0	.0	.0	.c	.0	16.7	7.1		.0	.0	•0	76.2
NE	.0	20.0	.0	.0	.0	.0	. c	20.0	6.7	6.7		.0	•0	.5	56.7
ŧ	8.0	20.0	.0	.0	.0	.0		26.0	16.0		.6	č	.0	.0	56.0
SE	3.6	.0	.0	.0			.c	3.6	. 9	1.8	.č	ŏ	.0	.0	95.5
S	4.6	.0	.0	.0	•0	.0		4.6	1.7	15.5	.0	.ŏ	•0	.0	80.5
Š.	7.4	. 0	.0	.0	.0	.0		7.4	7	5.1	.0	ě			88.2
w	20.8	4.2	.0						15.6				•0	•0	
N _b	7.5	15.1	.ŏ	.0	.0	:0	٠,	25.0	7.5	8.3	•0	.0	•0	•9	59.4
							٠.	72.6		22.6	•0	•0	•0	•0	54.7
VAR	٠.	•0	.0	.0	•0	.0	.0	•0	•0	.0	.0	.0	•0	•0	.0
CALM	•0	.0	.0	.0	•0	•0	٠.	•0	•0	11.1	.0	.0	•0	• 0	88.9
TOT PCT	7.0	2.9	.0	.0	•0	.0	.0	9.9	5.2	9,3	•0	•0	• 2	•0	78.5

TARLE 2

PERCENT PREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIP!	TATIO	TYPE					DTHER	WEATHER	PHEND	MENA	
HOUP (GYT)	PAIN	PAIN SmuR	DRZL	PRZG PCP4	S/UW	OTHER FRZN PCP4	HAIL	PCPN AT OB TIME	PCPN PAST MUJR	THOR LTNG	FOG #0 PCPN	FDG WD PCPH PAST HR		SPRAY BLWG DUST BLWG SNOW	
0003 0609 12019 12021	6.1 5.1 9.3	3.0 3.4 2.5	.0	.0 .0 .0	.0	.0	.00.0	9.1 8.5 11.4 11.6	9.1 3.4 4.5 4.7	3.0 .0 18.2 16.3	.0	.0	.0 .0 .0	.0 .0 .0	78.8 88.1 70.5 74.4
זמן און זמן נאט	.:,	٠.	\$	.0	•0	•0	.c	10.1	5.0	8.9	•0	•0	•0	•0	78.6

TABLE 3

PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wI?	10 SPE	EC (KNI	375)								HOUR	(GHT)			
MND DIE	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.0	7.7	.5	:	•0	•0		2.7	6.6	3.1 3.1	10.0	3.6	4.4	5.7 2.7	.0	4.1	2.8
ŞE	1.2	11.4	1.7 8.4 5.1	.1 .2 .2	•0	.0		7.0 21.3	10.2	23.7	20.0	7.8 21.4	20.6	23.2	20.0	9.4 17.5	21.9
Š'n	2.1	8.7	4.5	.2	.c .o	.0 .0		18.1 15.5 13.6	8.6 8.6 9.3	14.8 14.2 11.1	10.0	19.1 16.1 15.2	19.8 11.9 15.9	19.8	36.7	17.4	15.7
Ñw VAR	1.3	6.7	2.2	. n	•0	•0		12.0	9:7	15.5	20.0	9.4	10.3	11.0	3.3	13.4	14.0 12.1
TOT CBS	5.5 202	663	139	24	0	0	1228	5.5	8.5	187	•0	4.1		6.1 179	6.7	4.6	
TOY PCT	16.4	54.C	27.6	2.0	•0	• 0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TARLE 34

HAD DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL CBS	PCT FREQ	MEAN SPD	00 03	HDU1 06 09	12 15	16 21
N HE F SE S W W VAR CALM	2.6 1.6 3.3 5.9 7.1 6.5 4.9 4.6	1.5 1.0 3.0 12.2 9.7 7.6 7.1 5.5	.2 .1 .7 3.2 1.4 1.4	.0 .0 .1 .0 .0 .2			4.3 2.7 7.0 21.3 18.1 15.5 13.6 12.0	6.6 6.9 8.3 10.2 8.6 9.3 9.7	3.3 3.0 7.9 24.6 15.2 14.1 11.1 13.6	4.9 3.7 6.7 21.2 19.3 14.9 15.4 9.6	5.3 2.4 5.2 22.9 21.1 14.3 11.9 10.7	3.5 1.7 7.7 19.5 16.7 17.4 13.7
TOT OBS	516 42.0	583 47.5	125 10.2	.3	.0	1228	100.0	8.3	192	100.0	194	376

NOVEMBER

PERIOD: (PRIMARY) 1877-1971 (OMER-ALL) 1854-1971

TABLE 4

AREA 0003 SUNDA STRAIT 5.68 104.7E

PERCENTAGE	FREQUENCY	0F	WIND	SPEED	84	HOUR	(GMT)
------------	-----------	----	------	-------	----	------	-------

				HIND	SPEED (	KN9TS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MENN	FREQ	UBS
00603	6.3	14.1	54.2	24.0	1.6	.0	.0	8.0	100-0	192
90360	4.3	13.0	55.4	26.5	. 9	.0	.0		100.0	446
12615	6.2	7.2	51.0	34.0	1.5	.0	.0		100.C	194
18621	6.3	B . 8	53.8	27.5	3.5	.0	.0		100.0	396
707	58	134	663	339	24	ŏ	ũ	8.5		1228
PCT	5.5	10.9	54.0	27.6	2.0		.0	***	100.0	1220

TABLE 5

TABLE 6

												.,	INCE O					
•	CT FRE			CLOUD A		(EIGHT4S)			PERCEN	TAGE P	REQUEN	CY OF	CEILIN	G HETO	HTS (F	TINH :	4/8) 34	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	HEAN CLOUD COVER	000 149	150 299	300 599	600 797	1000	2000 3499	3500 4999	5000 6499	6500 7999	#000÷	NH <5/8 ANY HGT	
N	.c	.0	2.0	2.0		7.2	•0	•0	. 1	1.1	.9	.0	•			_		
N5	.0	. 0	. 3	1.1		7.6	ŏ		7.				.0	•0	•0	.0	2.0	
E	.0	1.1	.0	2.6				• 2	.0	.3	.9	•0	.0	•0	•0	•0	.3	
ŠE	.3					6.7	•0	•0	•0	.9	.6	•0	.0	•0	+0	.0	2.3	
2.c		2.6	8.5	2.6		5.7	• 0	•0	.0	•0	3.7	- 6	.0	• 0	• 0	. 5	9.7	
S	0.3	2.8	12.5	8.5		5.5	•0	• 0	.0	2.3	4.0	4.0	.0	• 5	.0		19.9	
S¥	4.8	4.8	8.5	2.8		4.5	• 0	•0	ò	1.4	.,					•0		
ū		3.4	6.5	5.4		6.0						1.1	.0	• • •	•0	•0	17.6	
NH							•0	•0	•0	9	4.0	1.1	.0	•0	•0	.0	9.4	
		• •	5.6	4.5		7.2	• 3	• 2	•0	1.1	1.1	• • •	.0	• • •	•0	.0	4.8	
VAR	.0	.0	•0	•0		•0	•0	•0	.0	.0	.0	•0	.0	•0	•0	.0	•0	
CALM	.0	1.1	.0	2.3		6.6	•0	10	.0	.0								
TOT DAS	10	14	36	28	86	5.7	*6	• •	• • •	•4	1:1	•0	•0	•0	•0	•0	2,3	
TOT PCT	11.4	15.9	40.9	31.6		-• '				- :	15	•	0	0	0	0	60	11
			70.7	21.0	100.0		•0	•0	•0	•.0	17.0	6.8	.0	•0	•0	.0	68.2	100.0

TABLE 7

COMULATIVE	PCT FREQ	OF	SIMULTANEOUS	DECURRENCE
OF CEILI	NG HEIGHT	CNH	34/83 AND V	SBY (NH)

				VSBY (N)	1)			
CEILING	• GR	- DR	- OR	= DR	+ DR	· CR	■ OR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	.0	•0	.0	.0	.0	.0	•0	.0
<ul> <li>OR &gt;5000</li> </ul>	.0	.0	.0	.ŏ	.0			ŏ
■ DR >3500	.0	.0	.0	.0	.5			ŏ
■ DR >2000	4.3	5.4	6.3	6.5	6.5	6.3	8.5	6.5
■ DR >1000	15.1	20.4	23.7	23.7	23.7	23.7	23.7	23.7
■ DR >600	18.3	26.9	32.3	32.3	32.3	32.3	32.3	32.3
● DR >300	18.3	26.9	32.3	32.3	32.3	32.3	32.3	32.3
■ DR >150	18.3	26.6	32.3	32.3	32.3	32.3	32.3	
• DR > 0	18.3	76.9	32.3	32.3	12.3	32.3	32.3	32.3 32.3
TOTAL								,-

TOTAL NUMBER OF DBS: 93

(

(

PCT FRED NH <5/81 67.7

TABLE 7A

### PERCENTAGE PREQ OF LOW CLOUDS (EIGHTHS)

								e o		
3.1	15.3	21.4	15.3	13.3	7.1	4.1	4.1	16.3	-0	91

NOVENBER

PERIOD: (PRIMARY) 1877-1971 (DVER-ALL) 1854-1971

1

TABLE 8

AREA 0003 SUNDA STRAIT 5.65 104.7E

		Pi	ERCENT					VS DECI VING V				CURRENC FY	€ OF
VSBY (PM)		•	NE	E	SE	S	Sw	*	Nie	VAR	CALK	PCT	TOTAL
	PCP	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	۰,0	.0	.0	•0	• 0	.0	•0	.0	.0	.0	
	TOT \$	.0	.0	.0	•0	•0	•0	.0	•0	•0	•0	.0	
	PCP	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
1/2(1	NO PCP	٠,	• 0	.0	•0	•0	•0	.0	•0	.0	.0	•0	
	TOT %	.0	• •	•0	.0	•0	•0	.0	•0	.0	•0	.0	
	PCP	.0	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	•0	•0	•0	• 0	.0	•0	•0	•0	.0	
	TOT &	.0	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	
	PCP	•0	.0	.0	.0	•0	. e	1.2	.0	.0	.0	1.7	
2<5	NO PCP	.0	.0	.0	.9	1.2	. 3	•0	• 0	.0	•0	2.3	
	TOT \$	.0	.0	.0	.9	1.2	٠,	1,2	.0	.0	•0	4,1	
	PCP	٠.	.4	1.0	.6	.3	.4	1.7	1.7	.0	•0	6.4	
5<10	ND PCP	3.6	.7	.3	4.5	4 • 2	3.6	3,6	2.6	.0	1.7	25.0	
	TOT %	3.6	1.2	1.3	5.1	4.5	4.2	5.4	4.4	•0	1.7	31.4	
	PCP	.0	٠.	.0	•0	.9	.3	.6	•0	.0	•0	4.	
10+	NO_PCP	2.5	1.0	2.3	10.2	18.8	14.4	6.8	3.3	•0	3.5	*	
	TOT %	2,5	1.0	2.3	10.2	19.6	14.7	7.4	3,3	•0	3.5	64.3	
	TOT 035												172
	TOT PCT	6.1	2.2	3,6	16.1	25.3	19.8	14.0	7.7	.0	5.2	100.0	

TABLE 9

			- 1						VS WI		ED		
VSBY	SPD	N	NE	E	SE	\$	SW	٠,	Nu	VAR	CALM	PCT	TOTAL
(NH)	KTS												OBS
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	٠,٠	٠٥.	.0	•0	٠.	.0	.0	•0		•0	
	11-21	.0	.0	•0	•0	•0	.0	.0	٠.	.0		.0	
	22+ TOT \$	.0	٠,	•0	.0	•0	.0	.0	.c .o	.0	.0	.0	
	ג יטו	.0	.0	•0	.0	•0		••	.0	.0	•0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
1/2<1	4-10	•0	.0	.0	.0	•0	•0	•0	.0	.0		٥.	
	11-21	.0	•0	.0	.0	.0	•0	-0	.0	.0		۰.	
	22+	.0	.0	•0	•0	•0	•0	•0	-0	•0		٠,٥	
	TOT \$	•0	.0	•0	٠.	•0	.0	.0	.0	•0	.3	.3	
	0-3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.6	
1<2	4-10	•0	. 1	• 1	.0	.0	.0	.0	.0	.0		.3	
	11-21	•0	.0	•0	.0	•0	•0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	.0	•0	.0	.0	٠.	_	•0	
	TOT \$	.0	.1	•1	.0	.3	.0	.0	•0	.0	.3	.9	
	0-3	.0	.0	.0	.0	.4	-1	.3	.3	.0	.0	1.1	
2<5	4-10	.0	.0	.0	. 9	. 3	. •	1.0	.6	.0		3.1	
	11-21	.0	.0	•0	.3	. 3	.0	-1	.1	.0		.9	
	22+	.0	• 0	•0	.0	.0	•0	.0	.0	•0		.0	
	TOT #	.0	.0	•0	1.1	1.0	.6	1.4	1.0	.0	.0	5.1	
	0-3	.6	.1	.0	-1	1.0	.6	.3	.1	.0	.,	3.7	
5<10	4-10	1.1	.4	.3	2.1	1.3	1.1	2.5	2.4	.0		11.1	
	11-21	. 4	•1	.4	1.6		1.6	1.7	1.4	.0		8.0	
	22+	.0	.0	•0	• 0	.0	.0	.0	.0	.0		0	
	TOT %	2.2	.6	.4	3.9	3.1	3.2	4.5	3.9	.0	. •	22.9	
	0-3	1.0	.6	.7	1.3	1.7	1.9	. 3	.6	.0	5.7	13,7	
10+	4-10	2.4	.,	1.2	4.3	12.7	7.6	5.9	4.9	.0		44.0	
	11-21	.0	•0	. •	3.4	3.1	3.5	1.6	.9	.0		13.1	
	22+	.0	.0	.0	0	0	0	0	.0	.0		0	
	<b>TOT %</b>	3.4	1.5	2.5	13.0	17.6	13.0	7.9	6.4	•0	5.7	70.9	
1	TOT DBS												350
1	INT PCT	5.6	2.2	3.3	18.1	21.9	14.8	13.8	11.2	.0	7.1	100.0	

NOVEMBER

PERIUD: (PRIMARY) 1877-1971 (OVER-ALL) 1854-1971

TABLE 10

AREA 0003 SUNDA STRAIT 5.65 104.7E

### PERCENT FREQUENCY OF CFILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY YOUR

HOUR (GHT)	000 149	150 209	300 599				3500 4999			8000+	TOTAL	NH <5/8 ANV HGT	TOTAL
00003	.0	.0	.0	4.0	16.0	4.0	.0	.0	.0	•0	24.0	76.0	25
06609	.0	.0	.0	•0	23.1	7.7	.0	.0	.0	•0	30.8	69.2	26
12615	.0	.0	.0	11.5	7.7	7.7	.0	.0	•0	•0	26.9	73.1	26
18621	.0	.0	.0	20.0	20.0	5.0	.0	.0	.0	•0	45.0	55.0	50
TOT	0	0	0	8.2	16	6	0	0	0	0	30	67 69-1	97

TABLE 11

TABLE 12

		PERCENT	FREGUEN	CY VSB	(NR)	SY HOUR		CUMULAT					AZPA (MW)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10~	TCTAL CBS	HDUR (SHT)	<150 <50YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL DBS
00603	•0	.0	1.6	3.2	20.6	74.6	63	60300	•0	.0	4.3	21.7	73.9	23
90360	.0	.0	.0	3.8	21.7	74.5	106	90340	.0	.0	3.6	26.9	69.2	26
12615	.5	,0	1.7	9.3	21.0	69.3	75	12615	•0	•0	19.2	7.7	73.1	26
18621	.0	.9	.9	5.3	26.3	66.7	114	18621	•0	•0	22.2	27.8	50.0	18
TOT PCT	.0	.3	.8	19 5.3	22.6	254 70.7	358 100.0	797 PC7	.0	.0	11.8	19 20.4	63 67.7	93 100.0

TARLE 13 PERCENT FREDUENCY OF RELATIVE HUMIDITY BY TEMP
TOTAL PCT
TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS PREQ

				TABL	E 14				
	PERCE	NT FR	EQUENC	Y OF N	140 51	RECTION	BY T	EMP	
N	NE	E	Sē	s	SW	¥	41	V1R	CALM
3.6	.0 .7 1.0					1.0 10.2 3.8			

TABLE 15

.0

				TAE	LF 15									TABLE	16			
	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEM	P (DE	G F) [	Y HOUR		PER(	ENT FRE	QUENCY	OF RELA	TIVE H	<b>#101</b> TY	-	
HOUR (GHT)	MAX	99x	<b>95%</b>	30%	5%	12	HIN	MEAN	TOTAL UBS	HDUR (GMT)	0=29	30-59	60-69	70-79	30-69	90-100	MEAN	TOTAL 085
00603 06609 12615	## 92 #9	87 91 86	84 38 84	81 83 82	77 78 77	74 74 75	72 72 75	80.7 82.8 81.4	187 445 192	00£03 06£09 12£15	•0	.0	17.1 2.8	40.0 34.3 42.3	32.0 40.0 53.8	24.0 8.¢ .0	83 78 80	25 35 26
18621 TOT	89 92	85 89	53 86	81 82	77 77	74 74	72 72	80.5	387 1211	19221 TOT	•0	•0	4.5	29.2 40	54.2	12.5	83 80	110

PAGE 272

 $\mathbf{C}$  $\mathbf{C}$ 

PERIOD: (PRIMARY) 1877+1971 (OVER-ALL) 1854-1971

TABLE 17

AREA DOO3 SUNDA STRAIT
5.65 104.7E
FDS (*ITMOUT PRECIPITATION)

PCT	FREC	űF	AIR	*E*1				ENCE D		PRECIPITAT:
					 	 	 	_	 _	

418-564	73	77	81	85	69	TOT		<b>~</b> 3
TYP DIF	76	90	54	5.5	92	_	Füs	FCJ
5 5	.0	.0	.0	. 5	.0	1	• 0	.6
5	.0	•0	.6	• >	٠.	1	• 0	. 0
•	.0	.0	.0	. 5	. 6	2 5 7	• 3	1.3
3	.0	.0	.6	1.9	. 0	5	. 3	3.2
2	.5	. 3	3.2	1.3	. 3	7	. :	4.4
1	.0	.0	3.8	1.3	٠.	8	. 0	5.1
ō		2.5	18.4	1.3	.0	35	• 5	22.2
-i	.5	2.5	10.1	1,9	. 0	23	• 0	14.6
-ž		5.1	10.8	- ; c	.5	25		15.8
3 2 1 0 -1 -2 -3 -4		6.3	5.7		.0	:9	.5	12.0
-4		6.3	5.:		. 5	1.6	.5	11.4
-5	.6	3.8	.6		.0	, i	• 2	5.1
-6	.6	1.3	.c	.0		5 3	.5	1.9
-7/-8		1.9	.c	.0	. 6	3	.5	1.9
TOTAL	ž	,	93	••	ž	•	• 5	158
	•	47	"	14	•	158		150
PCT	1.3		58.9	9.9	1.3	100.0		100.0

PERIJD: (CYER-ALL) 1963-1971

TABLE 18

				PC	T FRED C	F #140	SPEED	(KTS) AND	01450	TION V	ERSUS S	ed meig	hT\$ (FT)		
				٧.								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	•0	٠٥.	.0	.0	2.2		.0	•0		.0	• 9	.0	•0
1-2	.0	1.7	•0	٠.	.0	٠.5	1.7		• 0	.6	٠.	·¢	•0	.0	• 6
3-4	٠.	.c	•0		• • •	.0	•0		•0	•0	٠,	.0	•0	.5	•0
5-6	. 2	.0	•0	•0	.0	.0	•0		•0	•0	.0	.0	•0	.0	•0
.7_	.c	.0	•¢	.0	٠.٠	٠.	2.		5.	٠.		.0	•0	.0	2.
8-9	.c	.0	•0	•0	.0	.0	•0		•0	•0	.0	.0	•0	.0	•0
10-11	• • •	.0	9.0	•0	• ?	•0	•¢		.0	• ?	.0	٠,	• 0	٠.	•¢
12 13-16	.:	.0	•0	.0	.0	• • • •	.0			.0	• 0	.0	•0	٠,	•0
17-19	.5	.0	•0	•0	.0	.0	.0		9.	.0	• 0	• 0	•0	.0	•0
		.0	•0	.0	• 2	•0			'n	.0	•0	•0		٠٥	•0
20+22 23-25	• 0		•0	•0	• 2	٠٥.	.0			.0	• 0	•0	•0	• 0	•0
	.0	.0	•0	.0	.0	.0	•0		•0		.0	•0	•0	• • •	•0
26-32 33-40	•0	.0	•0	.0	.с	.0	٠.		.0	:0	• 0	۰۵	•0	•0	• 0
	.0	.0	• 0	. ?	•^	• 0	• • •			.0	.0	.0	•0	• 0	•0
41-48 49-60	. C	.0	•0	•0	.0	.0	•0		.0	.0	•c	•0	•0	٠.	.0
	٠.٥	٠.	•0	.0	.0	.0	•c				.0	•0	•0	.0	•0
61-70	• • •	.0	•0	•0	.0	٠.٥	•0		•0	•0	• • • •	•0	•0	٠.	•0
71-86	٠.٥	۰.0	•0	•0	•0	.0	.0		•"	•0	•0	.0	•0	.0	•0
87+	٠.	.0	.0	•0	•0	.0	0		•0	•0	•0	•0	•0	•0	•0
TOT PCT	•0	3.9	•0	• • •	• 3	•0	3.9		•^	•6	•0	•0	•0	•0	•6
				_											
HGT	1-3	4-10	11-21	E 22-33	34-47	484	PCT		1-3	4-10	11-21	5E 22•33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		2.2	. 6	.0	.0	.0	.0	2.8
1-2	. 5	.0	•0	•0	.0	.0	.0		. 0	4.4	.0	.0	.0	.0	4.4
3-4	.0	.0	.0	.0	.0	•0	.0		, n	. 6	3,3	.0	•0	.0	3.0
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
7	.с	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		٠	.0	.0	•0	•0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		. 0	.0	.0	.0	•0	.0	.0
13-16	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	.0	•0	.0	•0
17-19	.0	.0	• 0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
20-22	.0	.0	•0	.0	.0	. 0	.0		•0	.0	.0	.0	•0	.0	.0
23-25	٠.	.0	•0	.0	.0	.0	.0		•0	.0	.0	.0	•0	.0	•0
26-32	.0	.0	•0	.0	.0	.0	•0		.0	•0	.0	.0	.0	.0	.0
33-40	.c	.0	•0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	•0
41-48	.0	.0	•0	.0	.0	.0	.0		• 3	.0	.0	.0	•0	.0	•0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	•0
51-70	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	. 0	.0	.0	.0
71-86	.0	٠.	.0	.0	٠.	. ა	.0		• 0	:0	.0	.0	• • •	.0	•0
87+	.0	.0	•0	.0	.0	.0	•0		.0	:0	.0	.:	•0	.0	•0
TOT PCT	.0	.0	•0	.0	.0	.0	.0		2.2	5.6	3.3	•0	.0	.0	11.1

TABLE 18 (CONT)

AREA 0003 SUNDA STRAIT 5.05 104.7E

						DIRECTION	VEGENE		METALLEE	1571
PT 1	PRED 1	F WIND	SPEED	(KI2)	ריאם	DIKECTION	*CK2(.2	3 F W	HE LUNIS	1011

					_										
_				\$				1=3	4-10	11-21	22-33	34-47	48+	PCT	
HGT	1-3	4-10	11-21	27-13	34-47	48+	PCT	•0	2.2	0.0		•0	٠.5	2.2	
<1	2.2	1.7	• ¢	• ?	.0	٠,٥	3.9		11.1	2.2	•0	•0	.5	13.9	
1-2	1.7	18.9	2.2	•0	.0	•0	22.8	.6	5.0	2.7	.0	ڏ:	.ŏ	9.4	
3-4	. 3	3.9	5.6	.0	• ?	• 0	9,4	."		4.4	.0	• 5		4.4	
5-0	• 0	.0	-0	• ?	• ?	•0	• ¢	."	.0		.0	•0	.0		
7	. 3	.0	2.7	•0	• •	٠0	2.2	.0	.0	.,	•0	•0	.0	.0	
8-9	•	.0	•0	.0	• ?	• 5	•0	•0	.0	.0	.0	•0		.0	
10-11	• 2	.0	•0	.0	• ?	.0	•0	.,	ŏ	.0	.0	•0	.ŏ	.0	
12	٠.0	.0	.0	.0	:0	۰0	.č	.0	č	š	::	.5	.ŏ	.ŏ	
13-16	•0	.0	•0	.0		.5	٠٥	.0	٥	.0		•0	.0	.0	
179	• 3	.0		.0	٠.	.0	.c	.0	·c	č	.0	.0	.ŏ	.0	
20-22	. >				• > >		.0	,0	. 5	:5	.5	٤.	.0	.0	
23-25	.0	.0	.0	.0	.0	.0		.0	ŏ	.0	.0	•0	.0	.0	
26-32							•6	• 0	ŏ		.0	.ŏ	.0	·ŏ	
33-40	. 3	.0	•0	.0	•0	۰۰	•0	ć	Č	.0	.0	•0	.0	.0	
41-46	.0	.0	•0	٠.	•0			.0			.0	.0	.0	ě	
49-60	٥٠	.0	•0	.0	• 5	.0	.0	.6		.0	٥:	. 5		.č	
61-70	• 3	.0	•0	.0	.0	• •		č	.0	.0	.0	•0	.0	.0	
71-06	.c	.0	•0	.0	• ?	•0	• 0		ě			.c		.0	
87+	٠.0	0	•0	.0	.0	•¢	.0	•0	18.3	11.1	.0	.0		30.0	
TOT PCT	3.9	24.4	10.0	.0	.0	•0	38.3	•0	10.3	11.1	.0	•0	••	30.0	
				W							NW				TCTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-67	48+	PCT	PCT
<1	· ŭ	.0	.0	.0	. c	٥.		2.2	•0	.0	-0	• 6	.0	2.2	
1-2	.c	3.3	• 0	.0	.^	٠.	3.3	.0	4.4	.0	.0	.0	.0	4.4	
3-4	. 5	6.1	.0	.0	. າ	.0	6.1	.0	.0	.0	.0	• 0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	
7	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	.0	
8-9	.0	.0	•0	.0	.0	.0	.0	'n	.0	.0	. 0	• 0	.0	• 6	
10-11	.c	.0	•0	.0	. 0	.0	9.	• າ	.0	.0	.0	•0	.0	•0	
12	.0	.0	.0	.0	• 0	.0	.0	• 0	. 0	.0	•0	• 0	.0	• 0	
13-16	.0	.0	.0	.0	. 2	• 0	•0	.0	.0	.0	•0	•0	.0	.0	
17-19	. c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	• 0	• • • • • • • • • • • • • • • • • • • •	.0	.0	•0	• 0	.0	•0	
23-25	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	• 0	.0	.0	
26-32	.c	.0	•0	.0	. 0	•0	.0	• 0	•0	٠٥.	.0	•5	.0	•0	
33-40	. 5	.0	۸	.9	. 0	.0	.0	.0	.0	.0	•0	•0	.0	.0	
41-48		.ŏ	.0		. 0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	•0	• 0	.0	.0	.0	•0	.0	•0	
61-70	.0	.0	.0	.0	.5	.5	.0	• 2	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.ŏ	.0	.0		. 5	.0		.0	•0	.0	•0	
87+		.0	.0		ň	.0	.0	.5	.0	.0	.0	•0	.0	.0	
TOT PCT		9.4	.0	.ŏ	. 0	.0	2,4	2.7	4.4	.0	•0	• 0	.0	6.7	100.0
			,,,				-								

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HET	0-3	4-10	11-21	22-37	34-47	48+	PCT	101 165
<1	5.5	5.5	.0	. n	۰,	٠.	13.0	193
1-2	4.3	43.5	4.3	.0	. ა	٠.	52.2	
3-4		15.2	13.0	. ^	• 0	.0	28.3	
5-6	.0		4.3	.0	. ()	٠.	4.3	
7	.0	.0	2.2	.0	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	. i	.0	.0	.0	•0	.0	۰.	
12	.0	. 2	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	, n	.0	.0	.0	
17-19	.0	•0	. Č	.0	.0	.0	.0	
20-22		. 1	≎.	٠	.0	. ,	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	. C	.0	.0	• 9	.0	
33-40		.0	.0	.0	• ")	. ?	.0	
41-48	.0	.c		.0	.0	.0	.0	
49-60	. 0	.0	.0	,c	. 7	. 0	.0	
61-70	ů.	.0	.0	, o	.0	. 2	.0	
71-86	.0	.0	•0	n	.0	.0	.0	
97+	.0	.0	.0	'n	• 0	. 2	,0	
• • •				•			•	46
TET PET	10.9	65.2	23.9	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF HAVE HEIGHT (FT) VS NAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.2	26.0	20.5	5.5	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	2
6-7	٠.(	5.5	5.5	1.4	2.7	1.4		. 5	. š		10	.0	.0		.0	.0	.0	.0	.0	12	4
8-9			2.7	5.5	. 0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	6	4
10-11	ò		2.7			.ŏ		.0		.0	:0	.0	.c	.0	.0	.0	.0	.0	.0	2	3
12-13	· C		1.4		. 6	.o	.ŏ	.0	.c	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
>13		.0		.0	.0	.0	.0	.0		.0	. 0	.0	.0	•0	.0	.0	.0	.0	.0	0	
INDET	4.1	.0	1.4	. 0	2.7	.0	•0		.c	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
TOTAL	7.6	23	25	10		• 1	-0	.,	Č	ŏ	ō	ŏ	Ó	Ď	C	٥	Ō	Ō	0	73	3
PCT	12.3	31.5	34.2	13.7	6.8	1.4	• • • •	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

AREA 0003 SUNDA STRAIT 5.65 104.7E

*

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIG	N TYPE					CTHER	WEATHER	PHEND	MENA	
NHC CIR	RAIN	PAIN SHWR	DR7L	FRZG PCPN	SNOw	OTHER FRZN PCPN	HAIL	PCFN AT DB TIME	PCPN PAST Hour	THER LTNG	FOG WD PCPN	FUG NO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	7,5	7.5	.0	.0	.0	.0	.0	15.1	•0	5.7	7.5	•0	•0	.0	71.7
*.c	.0	.0	.0	٠.	.0	.0	٠.	. (	.0	30.8	.0	.0	•0	•0	69.2
έ	.0	.0	14.3	.0	.0		.0	14.3	•0	.0	• 0	.0	• 0	.0	85.7
ŠE	ō	.0	0,	.č	.0		.0	.0	.0	16.0	.0	.0	•0	.0	84.0
Š	5.4	2.7	2.7	.0	.0		.0	10.8	•0	10.8	5.4	.0	•0	.0	73.0
Š.	13.0	5.2	1.3	.0	. 0		.0	19.5	.6	13.0	.0	.0	•0	•0	72.1
¥	10.4	5.0	0,	.0	.0		.0	15.4	9.0	4.5	.0	.0	•0	•0	73.1
N _h	2.6	7.0	.ŏ		.0		.0	9.6	. 9	7.0	.0	.0	•0		82.5
VAR	.ŏ	ŏ			·ŏ		.0	•0	•0	.0	.0	.0	•0	•0	.0
CALM	16.7	.0	.0	.0	•0		.0	16.7	•0	.0	•0	.0	•0		83.3
TOT PCT TOT CBS:	7.7 181	4.4	1.1	.0	•0	.0	•0	13.3	2.8	8.8	1.1	•0	•0	•0	75.7

TABLE 2

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	#AIN Shwr	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	FCPN AT OB TIME	PCPN PAST Hour	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNDW	ND SIG WEA
00103 06609 12615 18621	10.8 6.3 3.9 10.0	2.7 2.1 7.8 8.0	.0 .0 .0	.0	.0	.0	.0 .0 .0	13.5 8.3 11.8 22.0	5.4 2.1 .0 4.0	5.4 2.1 11.8 14.0	.0 .0 .0	.0	•0 •0 •0	•0	78.4 89.6 76.5 58.0
TOT PCT	7.5 186	5.4	1.1	•0	•0	•0	•0	14+0	2.7	8.6	1.1	•0	•0	•0	75.3

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	IN SPE	ED EKNO	TS)								HOUR	(GHT)			
HND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT	MEAN SPD	00	03	06	09	12	15	18	21
							003	FKFW	3-0								
N	1.2	3.7	1.1		.0	.0		6.1	7.0	4.9	•0	6.8	7.4	5.0	•0	6.2	6.7
NE	.7	1.8	. 5	. 1	.0	•0		3.0	6.9	2.8	.0	4.8	1.6	2.7	•0	2.7	2.5
E	. 5	2.9	. 2	.0	.0	.0		3.6	6.6	3.1	.0	5.0	3.2	2.3	20.0	2.8	4.5
SE	2.2	5.7	2.4	. 2	.0	.0		10.5	7,7	12.2	14.3	8.3	11.6	11.9	.0	11.0	9.5
Š	1.4	5.5	1.4	.1	•0	• 0		8.3	6.9	8.8	28.6	6.3	5.5	11.3	•0	9.5	8 • 2
Šw	2.2	9.0	3.5	.2	•0	.0		14.8	8.1	14.7	•0	14.3	10.1	17.4	30.0	15.8	10.8
le le	2.5	13.9	5.1	1.0	.2	. 3		23.8	9.5	25.3	57.1	21.8	24.5	22.7	40.0	23.9	24.3
Nw	2.8	11.0	8.9	1.9	• 6	.0		24.7	10.9	23.9	•0	24.5	26.8	22.6	10.0	24.6	28.5
VAR	.0	.0	.0	.0	.0	.0		.0	:0	.0	٥.	• e	.0	.0	.0	.0	•0
CALM	5.0							5.0	.0	4.5	.0	8.3	3.2	4.1	.0	3,5	5.0
TOT CBS	232	669	301	44	5	O	1251		8.4	179	7	300	155	195	5	231	179
TOT PCT	18.5	53.5	24.1	3,5	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

### TARLE 3A

WND DIR	C-6	WIND 7-16	SPEED 17-27	(KNGTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	H0UR 06 09	(GHT) 12 15	18 21
4	3.5	2.4	.2	•0	.0		6.1	7.0	4.7	7.0	4.9	0.4
NE	2.0	.8	• 2	.0	.0		3.0	6.9	2,7	3.7	2.6	2.6
F	2.1	1.5	• 1	•0	.0		3.6	6.6	3.0	4.4	2.8	3.5
56	5.7	3.9	. 9	.0	٠.		10.5	7.7	12.2	9.5	11.6	10.4
5	5.2	2.7	.4	.0	.0		1.3	6.9	9.5	6.0	11.0	9.0
SW	6.8	7.0	1.0		.0		14.8	8.1	14.1	14.9	17.8	13.6
¥.	1.1	12.3	2.4	.3	.1		23.4	9.5	26.5	22.7	23.1	24.1
NW	7.9	11.3	5.1	. 4	.0		24.7	10.9	23.0	25.2	22.3	26.3
VAR	.0	•0	•0	.0	.0		.0	.0	.0	.0	.0	•0
CALM	5.0						5.0	.0	4.3	6.6	4.0	4.1
TOT OBS	567	524	129	10	1	1251	- • •	8.4	166	455	200	410
TOT PCT	46.9	41.9	10.3	7,4	· i		100.0		100.0			

DECFHSER

PERIOD: (PRIMARY) 1879-1971 (UVER-ALL) 1854-1971

TABLE 4

AREA 0003 SUNDA STRAIT 5.65 104.7E

PERCENTAGE	FREQUENCY	аF	WIND	SPEED	84	HOUR	(GMT)

HDUR	CALH	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.3	14.5	50.0	28.0	3.2	.0	. 3	8.5	100.0	186
03604	6.6	14.7	51.9	23.3	2.9	•7	.0	8.2	100.0	455
12615	4.0	16.5	55.5	20.5	3.5	. 5	. 0	7.7	100.0	200
18621	4.1	10.2	55.9	24.9	4.4	.5	. 0	9.0	100.0	410
TOT	63	169	667	301	44	5	0	8.4		1251
PCT	5.0	13.5	53.5	24.1	3.5	.4	.0		100.0	*

			T	ARLE 5								7/	BLE 6					
P	CT FRE			CLOUD A		EIGHTHS)		•					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL CBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3+99	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	.0	.0	2.2	1.9		5.0	•0	•0	.0	.8	2.2	•0	.0	•0	•0	.0	1.1	
NE	1.1	1.1	2.2	.3		4.4	•0	.0	.0	. 3	1.1	.0	.0	•0	• 0	.0	3.3	
E	.0	1.1	1.1	1.1		6.0	•0	• 0	.0	1.1	1.1	• 6	.0	•0	•0	.0	1.1	
SΕ	2.2	3.6	4.7	1.1		4.3	•0	•0	.0	1.1	2.2	.0	.0	•0	•0	.0	8.3	
Š	2.2	2.8	6.1	1.7		4.9	•0	• 0	.0	1.1	1.1	.8	.c	•0	•0	.0	9.7	
ŠW	.0	1.4	8.6	7.2		6.7	•0	• 0	.0	2.2	3.6	1.4	1.1	• 0	•0	.0	8.9	
W	1.1	1.1	15.0	8.9		6.7	•0	•0	.0	4.2	6.1	. 8	1.7	•0	•0	.0	13.3	
NW	. 2	2.2	6.7	5.6		6.5	•0	.0	2.2	. 3	.3	2.5	.6	•0	• 0	.0	8.6	
VAR	. 0	.0	.0	.0		.0	•0	.0	.0	.0	.0	•0	.0	•0	•0	.0	•0	
CALM	.0	1.1	2.2	2 • 2		6.0	•0	• 0	. 0	• 0	•0	•0	.0	• 0	•0	•0	5.6	
TOT OBS		13	44	27	•0	6.0	ō	0	. 5	10	16	5	3	0	0	0	54	90
TOT PCT	6.7	14.4	48.9	30.0	100.0		•0	•0	2.2	11.1	17.8	5.6	3.3	•0	•0	•0	60.0	100.0

TARLE 7

### CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCUPTENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NH	,			
CEILING	• CR	⇒ OR	■ DR	- OR	- OR	• OR	<ul><li>DR</li></ul>	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50Y0	>0
■ DR >6500	.0	•0	.0	.0	.0	.0	٠.	.0
= DR >5000	.0	.0	•0	.0	.0	.0	.0	.0
<ul> <li>DR &gt;3500</li> </ul>	1.1	3.3	1.3	3.3	3.3	3.3	3.3	3,3
■ DR >2000	3.3	8.9	A.9	6.9	8.9	8.9	8.9	8.9
. OR >1000	17.8	26.7	26.7	26.7	26.7	26.7	26.7	26.7
- DR >600	27.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
■ OR >300	30.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
■ DR >150	30.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
= ∩R > 0	30.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
TOTAL	27	36	36	36	36	36	36	36

TOTAL NUMBER OF OBS:

PCT FREQ NH <5/8: 60.0

TABLE 7A

### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	z	3	4	5	6	7	8 (1	BSCD	TOTAL OBS
1.9	7.7	22.1	17.3	11.5	8.7	14.4	6.7	9.6	•0	104

PAGE 226

DECEMBER

PERIOD: (PRIMARY) 1879-1971 (OVER-ALL) 1854-1971

TABLE 6

AREA 0003 SUNDA STRAIT 5.65 104.7E

****	074-14/1						' -							2.03	104176
		P	FRCENT						URRENCI ALUES (				E OF		
VSBY (NH)		٨	NE	E	SE	\$	Sw	W	NW	VAR	CALM	PCT	TOTAL		
	PCP	.0	.0	.0	.0	.0	40	.0	.0	• C	•0	.0			
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0			
	TOT %	•0	٠,	•0	•0	•0	•0	• 0	•0	•0	•0	٥.			
	PCP	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0			
1/2<1	NO PCP	.6	.0	.0	.0	•0	• 0	.0	.0	.0	•0	.6			
	TOT %	.6	.0	•0	.0	•0	• 0	.0	٠,	•0	•0	.6			
	PCP	.0	.0		.0	•0	• 2	٠.	.0	.0	.0	. 0			
1<2	NO PCP	. 2	• 0	.0	.0	• 0	•0	.0	.0	.0	.0	.0			
	101 2	.c	•0	•0	.0	•0	•0	۰.	•0	•0	•0	.σ			
	PCP	.c	.0	.0	.0	•0	.0	.0	.0	.0	.0	.c			
2<5	NO PCP	.0	. c	.0	.0	•0	• 0	• 0	•0	.0	•0	.0			
_	TOT 1	.0	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0			
	PCP	.6	.0	.0	.0	1.1	1.4	3.7	1.0	.0	.0	8.3			
5<10	NO PCP	2.6	. 7	.0	1.1	1.9	4.7	9.9	7.2	.0	•0	28.2			
	TOT %	3.2	.7	•0	1.1	3.0	6.6	13.7	8.1	•0	•0	36.5			
	PCP	.6	٠.	.6	.0	.0	2.2	.6	.6	.0	•6	5.0			
10+	ND PCP	3.0	2.9	3.3	5.8	7.2	12.4	13.5	7.0	.0	2.8				
	TOT %	3.6	2.9	3.9	5.8	7.2	14.6	14.1	7.6	.0	3.3	63.0			
	TOT 085												181		
	TOT PCT	7.3	3.5	3.9	6.9	10.2	21.3	27.8	15.7	.0	3.3	100.0			

TABLE 9

			,						ISIBIL:		ED		
VSBY (NH)	SPD KTS	N	NE	ε	\$E	S	Sw	¥	NW	VAR	CALH	PCT	TOTAL
• • • • •	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	•0		.0	
	TOT \$	.0	•0	•0	•0	•0	.0	.0	٠.	•0	.0	.0	
	0-3	.0	.0	•0	•0	.0	.0	٠.	.ú	٠.	.0	.0	
1/2<1	4-10	.0	.0	• 0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.3	.0	•0	.0	•0	.0	٠.	. 3	.0		.5	
	22+	.0	٠0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.3	•0	.0	••	.0	•0	.0	.3	.0	•0	. 5	
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	. 3	•0	.0	• 1	. 1	.0	.0	.0	.0		.5	
	11-21	.0	.0	•0	•0	.0	•0	. 3	.0	.0		.3	
	22+	.0	•0	•0	•0	•0	.0	.0	•0	•0		•0	
	101 \$	.3	•0	•0	•1	.1	.0	.3	.0	.0	•0	. 8	
	0-3	.0	.0	•0	•0	.0	.0	.3	.0	.0	.0	.3	
2<5	4-10	•0	•0	•0	•0	• 0	.0	•0		.0		1.3	
	11-51	•0	•0	•0	•0	•0	.0	.4	.9	.0		1.3	
	22+	.0	•0	•0	•0	•0	• }	. 3	. • 1	.0	_	.5	
	TOT %	•0	.0	•0	•0	.0	.1	.9	1.5	.0	•0	2.5	
	0-3	.3	.0	•0	.3	.1	1.1	.6	.4	.0	.0	2.8	
5<10	4-10	1.2	.6	.3	1.0	1.5	1.9	5.4	4.4	.0		16.2	
	11-21	. 3	.0	•0	.0	.3	.9	1.8	2.7	.0		5,8	
	22+	.0	.0	•0	.0	•0	.0	.0	.0	.0		.0	
	TOT %	1.7	.6	.3	1.3	1.9	3.9	7.8	7.4	•0	•0	24.9	
	0-3	.9	. 6	.3	.4	1.1	1.3	1.5	1.3	.0	4.8	12.2	
10+	4-10	2.0	1.2	3.2	3.5	4.7	10.0	10.9	6.7	•0		42.1	
	11-21	. 9	• 4	•0	1.3	. 9	3.7	5.4	4.1	.0		16.8	
	22+	0	0	0	0	.•0	0	0	3	.0		3	
	TOT <b>%</b>	3.7	2.3	3.4	5.2	6.7	15.0	17.8	12.4	.0	4.8	71.3	
	TOT OBS	6.0	2.9	3.7	6.6	1.1	19.0	26.7	21.6	.0	4.8	100.0	394

PEKIOD: (PRIMARY) 1879-1971 (OVER-ALL) 1854-1971

TABLE 10

AREA 0003 SUNDA STRAIT 5.65 104.7E

# PERCENT FREQUENCY OF CFICING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF HM <>/BY HOUR

HJUR (GMT)	000 149	150 209	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7977	<b>8000</b> +	TOTAL	MH <5/8 ANV HGT	TOTAL OBS
00603	.0	.0	4.3	13.0	13.0	8.7	.0	.0	.0	.0	39.1	60.9	23
90360	.0	.0	3.7	7.4	14.8	•0	3.7	.0	.0	•0	29.6	70.4	27
12615	.0	.0	.0	7.4	18.5	7.4	.0	.0	•0	•0	33.3	66.7	27
18621	.0	.0	.0	13.6	18.2	4.5	9.1	.0	٠,	.0	45.5	54.5	22
TOT	0	0	2	10	16	5.1	3.0	0	0	0	36	63.6	200.0

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	V\$8Y	(NH)	BY HOUR		CUHULAT					VSRY (NM)	
HOUR (GHT)	<1/2	1/2<1	1 < 2	2<5	5<10	10+	TOTAL DBS	HDUR (GMT)	<150 <50YD	<600 €1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	.0	1.4	30.0	68.6	70	00603	•0	4.8	19.0	23.8	57.1	21
06609	.0	.0	. 0	2.5	16.4	80.3	122	06809	.c	4.5	13.0	22.7	63.0	22
12615	.0	.0	1.2	2.4	27.1	69.4	85	12615	.0	.0	7.7	26.9	65.4	26
10621	.0	1.0	.8	3.3	31.1	63.1	122	16621	.0	.0	14.3	33.3	52.4	21
TOT	0	2	3	10	102	282	399	TOT	0	2.2	12	24 26.7	54	90

TARLE 13

TABLE 14

	PERC	NT FRI	EOUENC	r äf Ri	ELATIV	E HUMI	1 Y T I	Y TEMP	70011			PERCI	ENT FR	EQUENC	Y OF 1	IND 01	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PET	N	NE	E	SE	\$	Sı	ď	NW	V≜R	CALM
85/R9 80/84 75/79 TOTAL	.0	.0		•0	7.2	28.0	43.2 4.8 60	7.2	102	7.2 #1.6 11.2 100.0	1.6	3.4 .8	1.6	6.8	11.6 1.0	17.0 3.2		1.8	.0 .0	3.2 3.8
PCT	.ŏ	•0	•0	•0				12.8	143	700.0	9.2	4.2	3.2	7.6	12.6	21.0	21.8	16.4	•0	4.0

	TABLE 15													TABLE	16			
	HEANS,	E>TREM	ES AND	PERCEN	TILFS	OF TE	4P (DE	( F) B	Y HGUR		PERC	ENT FRE	CUEFCA	OF RELA	TIVE H	YTIDIMU	BY HOU	R
HOUR (GMT) 00803 06809 12815 18821 TOT	MAX 88 94 90 87 94	99% 86 90 87 85 89	95x 83 87 85 83 86	50% 81 82 82 80 81	5% 77 79 78 76 77	1% 75 75 77 79 75	MIN 75 73 71 72 71	MEAN 80.6 82.7 81.5 80.2 81.4	TOTAL GBS 182 437 260 412 1231	HUUR (GHT) 00203 06209 12215 18221 TOT	0=29 .0 .0 .0	30-59 .0 .0 .0	60-69 14.3 .0 .0	70-79 28.0 45.7 35.3 27.8 45	52.0 37.1 52.9 55.6	90-100 20.0 2.9 11.8 16.7	HEAN 83 77 82 83 81	TOTAL 085 25 35 34 36 130

PAGE 228

C C

1

DECEMBER

PERIOD: (PRIMARY) 1679-1971 (OVER-ALL' 1854-1971

TABLE 17

AREA 0003 SUNDA STRAIT 5.6S 104.7E

PCT FRPO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FCG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	8.5	69	TOT	Ħ	₩D
THP DIF	76	80	84	8.8	92		FOG	FOG
11/13	.0	.0	.6	.0	.0	1	•0	.6
7/6	.0	.0		.0	.6	Ž	•0	1.3
4		. a	1.9	, a	.0	2	•0	1.9
	. 0	.0	.0	. 6	.6	2	•0	1.3
3 2	.ŏ	.0	3.2	3.2	. 6	10	ě	6.4
ī	.0	.0	4.5	.,	.0	Ä	•0	5.1
ö	.ó	1.9	15.3	.0	.ŏ	27	•6	16.6
-ì		1.3	16.6	1.9		31	•0	19.7
		3.2	14.0					
-2	.0			. 6	٠.	26	•6	17.2
-3	.0	1.3	3.2	• 0	.0	18	•0	11.5
-4	.0	3.8	1.3	•0	.0	3	•0	5.1
-5	.6	3.2	1.3	.0	.0		•0	5.1
-6	. 6	4.5	٠.۵	.0	ů	ā	• 0	5.1
-7/-8	.0	• 6	.6	.0	. 5	8 5 2	• 5	1.3
-9/-10	.6	•0	.0		. 5	ī	•0	
TUTAL	"3	•••	99	• •	ž	•	• 2	155
	•	42	• • •	11	•	157	-	1
			43.1					7
PCT	1.9	26.8	63.1	7.0	1.3	100.0	1.3	98.7

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-0
7
8-9
10-11
12
13-16
17-19
20-22
23-25
23-40
41-43
49-00
61-70
71-86
874
TGT PCT 1-3 4-10 .0 1.7 1-3 1-3 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-26 41-48 49-60 61-70 71-86 87-11-21 TOT PCT

PER IOD:	(OVE	R-ALL)	1963-1	971					DECEMBER							
		4627	10.,,5					TABLE	18 (CGN1	7)			THEA	0003	SUNDA S	TRAIT
				PC	T FREC	OF WIND	SPEED	(KTS)	AND DIPE	CTION	VERSUS :	SCA HEIG	CHTS (FT			•••
	_			s								Sw				
HGT	1-3	+-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1 1-2	1.7	1.7	•0	•0	.0	•0	3.4		•0	• 0		.0	•0	.0	•0	
3-4		6.0	1.3	.0	.0	•0	9.1		• 5	13.4		.0	.0	.0	13.4	
5-6	.0	.0	•0	.0		٠.	.0		• 0	1,7		-0	•0	.0	3.4	
7			•0	.0	.0	•0	•0		•0	•0		•0	• 0	.0	3.4	
8-9	.ŏ	.0	•0	•0	.0		•0		•0	•0		•0	•0	•0	•0	
10-11		·ŏ	•0	•0	.0	.0	.0		•0	•0		.0	• ¢	• 2	•0	
12	.0	.0	•0	.5	.0		.0		•0	• 0		•0	•0	•0	•0	
13-16	.0	ŏ	·ŏ		.0	.0	.0		.0	•0		.0	•0	.0	•0	
17-19	.0	.0	.0	.0	.0		.0		.0	.0		•0	•0	•0	•0	
20-22	.0	.0	•0	•0	.0	.0	.0		•0	• • • • • • • • • • • • • • • • • • • •		•0	•0	•0	•0	
23-25	. 0	.0	.0	.0	.õ	ŏ	.0		ő	.0		•0	•0	.0	•0	
26-32	.0	•0	•0	.ŏ	.č	.č	.0		.c	.0		•0	•0	•0	•0	
33-40	. 0	.0	.0	.0	.0		.0		.5	. 0		•0	•0	.0	•0	
41-48	.0	.0	.0	.0	.0		.0		.0	.0		•0	•0	.0	•0	
49-60	.0	.0	.0	•0	.0				ž	.5		.0	•0	.0	•0	
61-70	.0	.0	.0	•0	.0	.0	•0		ó	.0		••	•0	.0		
71-86	.0	.0	•0	.0	.0	.0	.0		.0	ŏ		:0	.0	:0	•0	
87+	.0	.0	•0	.0	.0	•0	.0		.0	.0			.0	.0	.0	
TOT PCT	3.4	7.8	1.3	•0	.0	•0	12.5		.0	15.1		.ŏ	• 0	.0	20.3	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.7	• 0	•0	.0	•0	1.7		1.7	.0		•0	•0	.0	1.7	¥ C.
1-2	1.3	7.3	1.3	• • •	.0	.0	9.9		3.9	2.6	2.2	.0	•0	.0	8.5	
3-4	.0	4.7	5.2	•0	.0	.0	9.9		•0	. 4		.0	• 5			
5_6	• • •	.0	•0	•0	.0	•0	•0		•0	.0	.0	.0	•0	.0	.0	
7 8-9	.0	0	•0	.0	.0	•0	.0		•0	.0		•0	•0	.0	.0	
10-11	.0	1.3	•0	•0	.0	•0	1.3		•0	. 4	•0	•0	•0	.0	.4	
12	.0	.0	•0	•0	.0	.0	.0		•0	•0	.0	•0	•0	.0	.0	
13-16	·ŏ		•0	•0	.0	٠٠	•0		• 0	. 0		•0	•0	.0	•0	
17-19		.ŏ	•0	.0	.0	.0	•0		•0	• 0		•0	• 0	.0	•0	
20-22	ě		.0	.0	.0	.0	.0		•0	•0		•0	•0	•0	•0	
23-25	ŏ		•0	·ŏ			•0		•0	•0		•0	•0	•0	•0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		•0	•0	•0	•0	
33-40	.0	.0	·ŏ				.0		.0	.0	•••	•0	•0	.0	•0	
41-48	.0	.0	•0			.ŏ	.0		.5	.0		•0	•0	•0	•0	
49-60	. 0	.0	.0	.0	.3	:ŏ			.0	.0	•0	•0	۰۷	•0	•0	
61-70	.0	.0	.0	.0	.0		.0		.0	ŏ	.0	•0	•0	••	••	
71-66	.0	.0	•0	.0	.0	.0	.0		.0	.0		•0	•0	.0	•0	
87+	.0	.0	•0	.0	.0	.0	.ŏ		ŏ	.0		•0	•0	.0	•0	
TOT PCT	1.3	15.1	6.5	•0	. 0	•0	22.8		5.6	3.4	2.2	•0	•0	.0	11.2	94.8
													••	.,	****	77.0

	HIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.3	6.9	.0	.0	.0	.0	17.2	085
1-2	6.6	43.1	10.3	ň		.š	62.1	
3-4	.0	8.6	6.9	.0	•0	.0	15.5	
5-6	.0	•0	3.4		.0	.ŏ	3.4	
7	.0		•0	.0	.,	.0		
8-9	.0	1.7		ŏ		.6	1.7	
10-11	.0					.0	•.6	
12	.0			ŏ	.0	.ŏ	.ŏ	
13-16	.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0			.0		
20-22	ŏ	٠٥	·ŏ	.0	.0	.0	•0	
23-25	.0	ŏ	.0	ŏ		.0	•0	
26-32	.0	ŏ	.0				.0	
33-40				•0	.0	.0	.0	
		•0	.0	.0	.0	.0	.0	
41-40	.0	•0	•0	.0	.0	.0	•0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	•0	.0	.0	. 0	.0	.0	
71-66	.0	.0	•0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0		
				•-	*-	••	••	58
TOT DET	10 0	40.3	30 3	_		_		,,,

PERIO	): (DV	ER-ALL	.) 194	9-197	1				TABLE	19											
					PFRCENT	FRE	QUENCY	OF ##	VE HEI	GHT (#	r) VS	WAVE P	F• 190	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	49-60	61-70	71-86	87+	TOTAL	MEAN
<6 6-7	6.0	30.1	16.9	2.4		1.2		. 9			.0	.0		.0	.0	.0	.0	.0	.0	49	HGT 3
8-9	•0	1.2	7.2 4.8	4.0	1.2	1.2	.0	.0		.0	:8	.0	.0	•0	٠٠	.0	.0	•0	.0	14	•
10-11 12-13	•0	3.6	1.2	.0	.0	.0			.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	3	ž
>13	.0	•0	.0	.0	.ŏ	.0		::		.0	:0	•0	.0	•0	.0	.0	.0	.0	.0	1	3
INDET TOTAL	3.6	4.8	3.6	.0	.0	.0		• •		.0	.0	.0	.0	•0	.0	.0	.0	.0		10	2
PCT	9.6	42.2	33.7	7.2	4.3	2.4	.0			.0	-0	.0	.0	.0	.0	0	ŏ	. 0	0	83	3

PAGE 230

c c

PERIUD: (PRIMARY) 1877-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0003 SUNDA STRAIT 5.65 104.8E

### PERCENT PREQUENCY OF MATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	KEATHER	PHEND	MENA	
NNO CIR	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER PRZM PCPN	HAIL	PCPN AT UB TIME	PCPN PAST HEUR	THDR LTNG	FOG FO PCPN	FUG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N HE E S S S w W W WAR CALM	4.3 1.4 3.8 4.7 6.5 8.3 8.9	2.8 3.7 2.9 .6 2.0 3.6 6.4 4.5	2.0 .0 2.3 1.3 .2 1.2 2.7 1.0		0000000000	0000000000	00000000000	8.8 5.1 6.6 5.7 7.0 10.8 17.3 13.9	3.5 3.2 2.1 2.6 1.9 2.0 10.7 4.5	4.8 7.8 5.6 9.0 3.1 5.5 5.0 4.3	1.8 .5 .5 1.5 .2 2.1	.00	3.6 1.7 .7 .9 1.2 1.4 .7	• • • • • • • • • • • • • • • • • • • •	78.7 81.0 85.0 82.5 83.0 80.4 67.5 74.8
TOT PCT TOT CBS:	5.0 2205	3.1	.•	.0	•0	.0	•0	4.8	2.9	6.3		•0	1.2	•0	81.0

TABLE

### PERCENT FREQUENCY OF HEATHER OCCURRENCE BY HOUR

			•	ASCIPI	TATIS	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTMS	FDG WD PCPN	POG WO PCPN PAST HR	SMOKE		
00603 06609 12615 18621	6.5 2.8 3.6 8.1	3.5 2.1 2.4 4.9	1.6	.0	.0 .0	.0	.0	11.4 5.5 6.3 13.7	4.3 1.7 2.2 3.0	2.6 .2 9.3 12.9	.6 .3 1.1 1.7	.0 .0 .0	1.0 .9 1.5 1.3	.0	80.5 91.6 80.4 69.9
TOT PCT TOT CBS:	5.2 2310	3,2	.•	.0	•0	•0	•0	9.2	2.8	6.3	.9	•0	1.2	•0	80.6

TABLE 2

### PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN										(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+		PCT	MEAN	00	03	06	09	12	15	18	21
							085	FREQ	SPD								
N	1.2	3.3		.1	•	.0		5.4	6.6	5.1	4.9	5.4	7.2	5.5	7.0	5.2	4.4
NE	1.1	3.9			.0	.0		5.9	0.0	4.7	9.5	7.3	7.5	6.9	6.6	4.2	4.0
	1.7	4.5	2.3	.3	· ·			10.8	7.6	12.4	14.1	12.7	9.2	9.9	9.3	9.2	10.2
ŠE	2.2	12.9	9.1	1.3				24.6	9.2	28.0	21.7	22.9	22.7	24.5	23.8	24.3	25.9
- 21	1.7	6.6	3.2	3	.0			11.7		11.0	10.6	9.2		13.4	15.2	13.6	
<b>3</b> .																	10.0
Sw	1.0	5.9	5.0	.1	•0	.0		9.7	7.6	8.3	8.4	9.1	9.2	10.8	9.1	10.7	
W	1.4	7.0	9.1	.6	•	.0		12.1	8.7	11.0	20.5	12.1	13.6	11.9	12.8	12.2	12.1
Nw	1.4	6.8	4.0	. 4	.1	•		13.2	9.1	14.7	9.2	13.9	13.4	10.3	11.2	12.8	14.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	•0	.6	•0	.0	•0	•0	.0	.0
CALM	4.6							5.6	.0	4.8	1.0	7.4	5.3	6.8	5.1	7.7	6.8
TOT CBS							15195		8.4	2184	19	3741	1782	2277	101	2728	2293
TOT BCT	10.1	52.0	26.9	1.4	. 1		-	100.0		100-0	100-0	100-0	100.0	100.0	100-0	100.0	100.0

TABLE 3A

			SPEED			~~~.\					(GHT	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL GBS	PCT FREQ	MEAN SPD	00 93	06 09	12 15	18 21
N	3.2	1.9	•2	•	•		5.4	6.6	5.0	6.0	5,5	4.9
NE	3.4	2.3	.2	.0	.0		5.9	6.8	4.9	7.4	6.9	4.1
E	5.1	4.8	.9		.0		10.8	7.6	12.5	11.5	9.8	9.7
ŠE	7.6	12.5	4.3	.2			24.6	9.2	27.0	22.8	24.5	25.1
š-	5.1	5.4	1.2	•	.0		11.7	8.0	11.0	10.1	13.5	13.0
\$w	4.8	4.2		•	.0		9.7	7.6	8.3	9.1	10.8	10.4
v"	4.8	5.9	1.3				12.1	8.7	11.3	12.5	12.1	12.2
ÑW	4.8	6.1	2.0	.2	•		13.2	9.1	14.5	13.7	10.3	13.4
VAR	`.ŏ		0	.0	.0		.0	.0	.0	.0	.0	.0
CALH	4.4	•••					6.6	.0	4.6	6.7	6.7	7.3
TOT DES	J.0					15195		8.4	2273	5523	2378	5021
TOT BET	45.4	41.1	10.7		. 1		100 an		100.0	100.0	100.0	100-0

ANPUAL

PERIOD: (PRIMARY) 1877-1973 (OVER-ALL) 1854-1973

TARLE 4

AREA OOOJ SUNDA STRAIT 5.05 104.8E

PERCENTAGE	FREQUENCY	OF	CHIR	SPFFO	٤¥	HOUR	(GXT)	

HOUR	CALM	1-3	4-10	4IND	22-33	KNNTS) 34-47	48+	MEAN	PC7 FREQ	TOTAL
00603 06609 12615 18621 TOT PCT	6.6 6.7 6.7 7.3	13.0 14.0 12.3 10.5	51.7 51.6 52.8 52.0	26.7 24.3 26.0 25.2	3.7 3.1 3.4 3.9	•2 •1 •0 •2	•0	8.7 8.2 8.5	100.0 100.0 100.0 100.0	2273

TAPLE 5

****

1	PCT FR	E0 9F 1	TOTAL	C+ OHD	AMDI NY	(EIGHTHS)						7.	ABLE 6					
WND DIR	0-2	•	5-7	n nike	CTION	PEAN			PERCEN	AND G	FREQUE! CCURRE!	ICY OF	CEILIN	G HEIG	HTS ()	T, NH	24/81 3N	
N_	. 5	.8	2.2	1.3	CBS	COVER	149	15n 299	300 599	60G	1000 1999	2000 3499	3500 4999	5000 6499				TOTAL UBS
NE SE S SH W NN VAR CALM TOT GBS TOT PCT	1.5 3.1 5.7 3.3 2.2 .6 .2 .0 I.1	1.3 3.9 6.5 2.6 2.2 1.4 1.2 .0 1.2	1.9 4.1 8.6 5.6 5.3 6.0 4.4 .0 2.1	1.0 1.7 2.8 1.6 2.5 4.0 4.4 .0 1.2	1105	4.8 4.7 4.8 4.0 4.5 5.2 0.3 6.4 	.0 .1 .0 .0 .1	•0	.0 .1 .2 .3 .9 .0 .1	.4 .2 .7 1.4 .7 .7 1.2 1.0	1.0 .8 2.2 1.0 2.6 2.3 1.8	.3 .4 .9 .0 .8 1.5 .9	.2 .2 .3 .3 .5 .0 .0	.0	.0 .0 .2 .1 .0	.0 .0 .2 .1 .0	2,8 4,2 10,1 18,3 10,2 8,4 6,4 5,7	<b>U</b>
							•1	• 1	1.0	6.5	15.2	0.5	7-1	• 1	. 3	.4	70.3	1105

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	= DR >10	• DR >5	• DR >2	958Y (N) - OR >1	1) = QR >1/2	• OR >1/4	● DR	= OR >U
• GR >6500 • GR >55000 • DR >3500 • DR >25000 • GR >1000 • GR >1000 • GR >300 • GR >150 • GR > 0	.6 2.2 6.8 15.6 20.5 21.2 21.2	.7 .8 2.9 8.8 20.3 26.5 27.5 27.5	.7 .8 3.1 9.7 21.8 28.3 29.5 29.5 29.5	.7 .8 3.1 9.8 21.9 28.5 29.5 29.6	.7 .8 3-1 9-8 22-0 25-6 29-7 29-7	.7 .8 3.1 9.8 22.0 28.6 29.6 29.7	.7 .8 3.1 9.8 22.0 28.7 29.7 29.8 29.9	.7 .8 3.1 9.8 22.0 28.7 29.7 29.8 29.9

TOTAL NUMBER OF DBS1 1146

t Ç

PCT FREQ NH <5/8: 70-1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 i 2 3 + 5 6 7 8 QBSCD TOTAL 5.1 14.4 27.4 16.4 11.4 7.3 8.0 5.1 9.8 .1 1242

PAGE 232

A	N	N	٠	ı	۸	1	

							ANI	IUAL						
PERIOD: (PRIMARY) 1: (OVER-ALL) 1:	877-1973 854-1973						TA	SLE 8				ARE	4 0003	SUNDA STRAIT
		P	RCENT	FREQ PREC	OF WINS	DIREC	TION Y	YING V	URRENC!	E OR N DF VIS	ON-DCC	URRENS Y	E OF	
VSBV (NH)		٨.	NE	Ε	SE	S	Sw	W	ИМ	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP ND PCP TOT %	•0	.0	.1	•0	•1 •0 •1	•1 •0 •1	.1	•0	.0 .0	•0	.1		
1/2<1	PCP NO PCP TOT %	•	.0	•0	•0	•0	.0 .0	.0	•0	.0 .0	•0 •0	,1 •		
1<2	PCP NO PCF TOT %	.0 .1 .1	.0	•0	.1 .1	•1 •1 •2	•1	.1 .1	.1 .1 .2	.0	•0 •1 •1	.4 .8 1,2		
2<5	PCP ND PCP TOT %	.1 .1	• •1 •1	.0 .2	.1 .4 .5	•1 •2 •3	•1	.3 .1	.3 .1 .3	.0	•0	1.0 1.4 2.3		
5<10	PCP NG PCP TOT %	2.2	2.7 2.9	.3 2.9 3.2	.5 3.5 4.1	.4 2.9 3.3	2.9 3.8	1.5 3.7 4,5	.8 2.6 3.4	•0	• 2 • 6 • 6	5.2 23.4 28.6		
10+	PCP ND PCP TOT %	.2 3.4 3.6	.1 4.3 4.4	.2 8.4 8.6	.1 15.8 15.9	.2 8.4 8.6	8.0 8.4	7.5 7.8	6.1 6.4	•0	1 3.4 3.5	1.8 65.4 67.3		

TOT RBS TOT PCT 6.5 7.6 12.2 20.7 12.4 12.8 12.9 10.4 .0 4.5 100.0

TABLE 9

PERCENT FREG OF WINN DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

				1	WITH V	ARYING	VALUE	S OF V	ISIBIL	ITY			
VSBY (NH)	SPD KTS	N	NE	E	SE	S	SW	W	KW	VAR	CALM	PCT	TOTAL OBS
(MM)	0-3							.0	.0				003
41.42	4-10		•	•0	٠0	•0	٠.	•	:0	• 0	•	.2	
<1/2	11-21	٠.٥	٠,٥	:	:	•1	.0	:		.0		::	
		.5	•0			•0	.0	.0	.0			.0	
	22+		.0	•0	•0	•0		.1		.0	_	ě	
	TOT \$	•	•	•	•1	•1	•	••	•	.0	•		
	0-3	.0	.0	.0	.0	.0	.0	•0	.0	.0			
1/2<1	4-10		.0					•	.0	.0		.1	
	11-21		.0	.0	.0	.0	.0	.0	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$		.0		•	•	•	•	•	.0	•	•5	
	0-3	.0		.0	.0	•	•	.0		.0	.1	.2	
1<2	4-10	.1	• i	•1	•1	· i	•1	•1	.1	.0	••	.7	
• ••	11-21	.0		· ·			.0	•	. i	.ŏ		.2	
	22+	.0	.o	.0	•0	·ŏ		.0		.0			
	TOT %	.1	•1	.1	.2	.1	-1	-1	.2	.0	-1	1.1	
	0-3			•		.1		.1		.0	.1	.4	
2<5	4-10	.ī		•1	.3	.:	.2	. 3	.2	.0	••	1.3	
	11-21	•	·	:		i		.2	.2	.0		7,7	
	22+	. 0	5	.0	•	ö	•	.1	• • •			ž	
	TOT &	.1		ii	.5	ž	.ã	.6			-1	2,6	
	U-3	.3		.3	.1	.3	.3	.4	.2	.0	.5	2.6	
5<10	4-10	1.0	1.2	1.1	1.7	1.6	1.4	1.6	1.7	.0	.,	11.2	
3610	11-21	1.0	1.2	1.5	1.3	.5	*:7	•.9	1.0	ĕ		5.3	
	22+	:6	.6	• • •	1	•	•	•		:0		7,3	
	TOT %	1.5	1.6	1.9	3.2	2.5	2.4	3.0	2.9	:ŏ	.5	19.4	
	101 4	1.5	1.0	1.4	3.2	213	2	<b></b>	4.,		• • •		
	0-3	. 8	1.0	1.0	1.5	1.3	1.3	1.1	1.0	.0	5.2		
10+	4-10	2.5	2.7	5.7	10.5	0.4	5.2	5.8	5.7	.0		44.5	
	11-21	.3	.4	1.3	6.9	2.4	1.6	1.9	2.2	.0		17.0	
	224			.1	4	•	.1	1	.1	.0		-,·?	
	TOT %	3.6	4.2	8.1	19.4	10.1	8.2	8.8	9.0	.0	5.2	76.4	
	TOT DOS												4453
	TOT BCT	4.4	4.0	10.2	21.4	13.0	11.0	12.5	19.7	٠.	5.8	100.0	

ANNUAL

PERIOD: (PRIMARY) 1877-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0003 SUNDA STRAIT 5.65 104.8E

### PERCENT FREQUENCY OF CFICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCS OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	190 299	300 599		1000 1999		3500 4999				TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.4	.0	1.2	6.9	14.0	7.2	4.4	.0	.0	.3	34.4	05.0	345
90380	.0	.0	1.5	4.0	12.9	4.5	.5	.0	.0	•0	23.4	76.6	301
12615	.0	.0	.3	5.7	7.8	6.7	2.2	•0	.0	.4	23.0	77.0	302
18621	.0	.3	.7	9,4	10.4	7.9	1.6	.4	1.3	.9	32.9	67.1	264
TOT PCT	. 1	.1	. 4	6.3	11.5	6.5	2.2	.1	. 3	.4	28.5	71.5	1212

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	VSBY	(NH)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<b>C</b> 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GMT)	<150 <50YD		<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00203	.5	.1	1.4	2.6	20.9	74.6	922	E0300	.4	1.9	11.7	24.4	63.9	328
90360	•2	.2	.6	2.1	16.2	80.9	1348	90360	•0	1.6	6,6	18.4	75.0	287
12615	. 5	.1	1.2	3.4	19.3	75.5	952	12615	.0	.7	9.7	15.6	74.8	287
18621	.3	.3	1.7	2.5	23.8	71.9	1557	16621	.0	1.1	12.6	22.6	64.8	244
TOT	.3	.2	1.1	2.6	20.1	75.7	4779 100-0	TOT PCT	.1	1.4	10.1	20.3	69.6	1146

				•	Waft 1:	,									1 401					
	PERC	ENT FR	EONENC.	Y OF R	ELATIV	HUMI	DIT / B	Y TEMP	TOTAL	PCT		PERC	ENT F	EOUENC	Y DF 1	114D 01	RECTIO	N 84 TI	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	2.8	w	NW	VAR	CALN
95/99	. ၁	.0	.0	.0	.1	.0	.0	.0		.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	•0	. 3	.1	.0	.0		.4	• 1	•0	.1	٠.	•	.1	.1	-0	•0	.0
85/84	.0	.0	.0	- 1	2.3	4,5	1.4	• 2		8.5	.6	. 8	1.3	1.7	1.0	1.1	, i	.7	.0	.6
80/84	.0	.0	.0	• 2	3.4	28.9	38.1	5.9		76.6	5.1	6.8	9.9	15.5	10.1	9.7	8.4	7.0	.0	3.7
75/79	.0	.0	.0	.0	•1	1.0	7.9	5.4		14.4	. 9	.5	1.3	3.0	1.6	1.8	2.7	2.0	.0	.5
70/74	.0	.0	.0	•0	.0	.0	.1	.0		.1	.1	.0	.0	.0	.0	.0	- 0	.0	.0	.0
TOTAL						-		-	1463	100.0			-							
PCT	.0	.0	.0	. 3	6.2	34.5	47.4	11.6			6.8	8.1	12.6	20.5	12.8	12.7	12.0	9.6	• 0	4.8

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PFRCEN	TILES	3P TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENÇY	OF RELA	TIVE H	PTIDITY	84 HD08	t
HOUR	MAX	69 <b>%</b>	95%	50%	5%	18	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
\$0300 \$0300	97 96	86 91	84 88	81 83	77 79	75 76	70 70	81.0 83.2	2227 5363	00£03	•0	.0	2.4	28.0	53.6 31.6	16.0	83 77	370 386
12615	92 91	86 85	85	82 81	79 77	77	71 72	81.9	2347 4946	12615	.0	.7	2.5	39.2	47.8	9.8	81 83	368 435
TOT	97	19	86	82	78	76	70	81.9	14883	TOT	ŏ	Š	93	534	744	183	81	1559

PARE 234

0 C 11

PERIOD: (PRIMARY) 1877-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 9003 SUNDA STRAIT 5.65 104.8F

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE GG VS AIR-SEA TEMPERATURE D	CURRENCE OF FOG (WITHOUT PRECIPITATION)
-------------------------------------------------------------------------	-----------------------------------------

AIR-SEA	73			85	89	>92	TOT	¥	WO
THP DIF	75	80	64	56	92			FCG	FOG
11/13	.0			. i	.0	. 1	<b>ن</b>	.0	•2
7/8	٠.0		.2	٠١.	• 2	•0	10	.0	. 5
6	.0	•		. 1	. 3	.0	10	.5	. 5
5	.0	.0	.2	. 1	. 3	.0	13	.0	•6
4	.0	•0	. 5	. 7	. 3	•	29	.0	1.5
3 2	.0	• 1	.5	. 8	.2	.0	30	•0	1.6
2	.0	- 1		1.9	- 1	.0	105	.0	5.4
1	.0	. 3	4.3	1.3	.0	.0	114	.1	5.7
10	.1	1.5		1,5	.0	.0	373	. 3	18.9
-1		2.6		1.0	.0	.0	341	•1	17.4
-2	-1	5.1	14.4	. 5	.9	.0	396	• 1	19.9
-3		4.6		. 3	.0	.0	195	.0	10.0
-4	. 2	4.6		. 2	.0	.0	161	.1	8.2
-5	. 2	3.3	1.4	1	.0	.0	97		5.0
-6	.3	1.4	. 3	. 5	.0	.0	37		1.9
-7/-8	.2	. 8	. 2	.0	.0	.0	24	.0	1.2
-9/-10	.4	• 2	.õ	.0	.0	.c	īi	.0	6
-11/-13		• 1	.0	.0	.0	.0	• • • • • • • • • • • • • • • • • • • •		•1
TOTAL		- •	•••	• "	•••	••	1952	••	••
PCT	1.6	24.7	63.9	8.4	1.3	•1	100.0	. 8	99.2

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS) AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)	,	
				N.								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1+3	4-10	11-21	22-33	34-47	48+	PCT
<1	٠.	.9	•0	•0	.0	.0	.9		. 4	1.0	.1	•0	.0	. 0	1.6
1-2	٠2	2.5	.5	•0	.0	.0	3.2		.4	2.1	.6	.0	•0	.0	3.1
3-4	.0	.5	.3	•0	.0	•0	. 8		•0	.6	. 3	.0	•0	.5	.9
5-6	•0	.0	• 1	.1	.0	•0	.2		•0	.0	.0		•0	.0	
7	.0	.0	•0	.0	.0	٠.	.0		• 0	.0	.0	.0	•0	.0	•0
8-9	•0	.0	•0	.0	•0	•0	•0		.0	.0	.0	.0	•0	.0	ěŏ
10-11	.0	٠,	•0	.0	.0	•0	•0		• 0	.0	•0	٠٥	.0	.0	•0
12	.0	•0	•0	.0	.0	•0	•0		.0	•0	.0	.0	•0	.0	•0
13-16	.0	.0	•0	٠0		•0	•0		.0	.0	.0	•0	•0	.0	·ŏ
17-19	.0	.0	•0	.0	•0	•0	•0		• 2	:0	.0		•0	.0	••
20-22	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0	•0
23-25	.0	.0	•0	•0	.0	•0	•0		•0	.0	.0	.0	•0	.0	.0
26-32	.0	.0	•0	•0	.0	•0	•0		'n	.0	.0	.0	•0		
33-40	.0	.0	•0	.0	.0	.0	•0		.0	.0	.0	.0	•0	.ŏ	.0
41-48	•0	.0	•0	-0	.0	.0	.0		•0	.0	•0		•0	.0	
49-60	•0	.0	•0	.0	.0	•0	.0		.0	.0	.0		.0		.0
61-70	•0	.0	•0	.0	.0	.0	.0		.0	.0			.0		.ŏ
71-86	.0	.0	•0	•0	.0	.0	.0		'n	.0	.0		.0		.ŏ
87+	.0	.0	•0	•0	.0	•0	.0		.0	. 3	.5	.5	•0		
TOT PCT	. 2	3.9	•9	•1		•0	5.1		. 8	3,7	1.0		•0	.ŏ	5.6
				ε											•
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	,	1-3	4-10	11-21	\$E 22-33	34-47	48+	PCT
<1	.5	1.2	•1	.0	.0	.0	1.8		. 3	1.6	.0	.0	.0	.0	2.9
1-2	.6	5.4	.9	.0	.0	.0	6.9		.3	7.6	2.4	.8	•0	.ŏ	10.3
3-4	.0	2.0	1.2	.0	.0	•0	3.2		ŏ	2.6	3.3		ě	.5	5.9
5-6	.0	.1	•6	.2	.0	•0	. 8		.0		2.5	.5	·ŏ		3.4
.7_	.0	.0	•1	.2	.0	.0	. 4		.0	.0	.7	.3	.0	·ŏ	. 9
8-9	.0	.0	•0	.1	.0	.0	.1		.0	.0	.1	.1	.0	.0	.2
10-11	•0	.0	.0	.1	.0	.0	.1		.0	.0	,2		.0	.0	.2
12	.0	•0	.0	•0	.0	•0	.0		.0	.0	.0	•0	ěŏ		• •
13-16	.0	•0	•0	.0	.0	•0	•0		.0	.0	.0	.0	•0	.0	•0
17-19	.0	•0	•0	•0	.0	•0	•0		.0	.0	.0	.0	•0	ò	.0
20-22	•0	•0	•0	•0	•0	•0	•0		.0	.0	.0	.0	•0	.ŏ	.0
23-25	•0	.0	•0	•0	.0	•0	.0		.0	•0	.0	.0	.0	.0	•0
26-32	.0	.0	•0	.0	.0		.0		.0	.0	.0	.0	.0	, ŏ	•0
33-40	.0	.0	•0	•0	.0	•0	.0		.0	.0	.0	.0	.0	•0	•0
41-48	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	.0	•0		.ŏ
49-60	.0	.0	•0	.0	.0	•0	.0		.0	ō	.0	.0	• 6	.0	ŏ
61-70	•0	.0	•0	.0	.0	•0	.0		.0	.0	,0		•0	.0	.0
71-86	•0	.0	•0	•0	.0	•0	.0		Ö	.0	.0		ŏ		.0
87+	.0	•0	•0	.0	.0	.0	•0		ò	.0			.0	.0	.0
TOT PCT	1.1		2.8	.6	.0	•0	13.3	1	.6	12.3	9.2	::	.0	.ŏ	23.9

PERIOD: (OVER-ALL)	1943-1973	ANNUAL	AREA 0003 SUNDA STRAIT
bEwings (OASWaff)	1403-1413	TABLE 18 (CONT)	5.65 104.8E
		PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT	rs (FT)

				, ,			3. 250								
				s							SW				
HGT	1-3	4-10	11-21	22-13	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1.0	1.8	•0	. 2	.0	.0	2.8	.4	1.4	.0	-0	•0	.0	1.7	
1-2	. 6	5.6	1.1	.0	.0	.0	7.3	. 3	5.1	1.3	.0	•0	.0	6.7	
3-4		1.0	2.0	.0	.0	.0	3.0	.0	1:3	1.7	.0	•0	.0	3.0	
5-6	.0	.0	. 6	.0	.0	.0	.6	.0	.0	1.0	.0	.0	.0	1.0	
7	.0	.2	.6	.0	.0	.0	. 8	•0	.0	.0	•0	•0	.0	.0	
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	•0	•0	.0	•0	
10-11	.0	.0	.0	.0	<b>~</b> 0	.0	•0	•C	.0	.0	•0	•0	.0	•0	
12	.0	.0	.0	. 7	.0	.0	.0	•0	:0	.0	.0	•0	.0	•0	
13-16	.0	.0	•0	.0	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	
17-19	.0	.0	•0	.0	• >	.0	.0	•0	.0	.0	•0	•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	•0	, C	.0	.0	•0	•0	.0	•0	
23-25	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	•0	• 0	•0	
26-32	.0	.0	•0	.0	.0	.0	<b>J.</b>	•0	•0	.0	•0	•0	.0	.0	
33-40	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	
41-48	٠.	.0	•0	.0	.0	•0	.0	•0	.0	.0	•0	•0	.0	•0	
49-60	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0	•0	
61-70	.0	.0	•0	٠.	.0	. 0	.0	•0	•0	•0	•0	•0	.0	۰٥	
71-86	.0	.0	•0	.0	.0	.0	•0	•0	.0	٠.	•0	•0	.0	•0	
67+	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
TOT PCT	1.6	8.7	4.2	. 1	.0	.0	14.6	,7	7.8	4.0	•0	•0	.0	12.4	
				W	34-47				4-10		NW.		44.		TOTAL
HGT	1-3	4-10	11-21	22-23		48+	PCT	1-3		11-21	22-33	34-47	48+	PCT	PCT
<1	-1	1.1	•0	.0	.0	•0	1.2			•0	•0	•0		1.4	
1-2	- 1	3.4	.7	.0	.0	.0	4.2	.3	2.6		•0	•0	• • •	3.7	
3-4	•0	1.8	2.7	•0	٠ç	~ O	4.0	•5	•7	1.4	•0	•0	.0	2.3	
5-6	•0	.0	٠.	•0	.0	•0	• 3	• 9	.3	.6	•0	•0	•0	• 9	
7 8 <b>-</b> 9	•0	.0	,2	•0	.0	.0	•2	•9	•0	.3	•1	•0	•0	. 4	
	•0	.1	•0	.2	•0	•0	.3	•0	.0	.0	•0	•0	.0	•	
10-11	٠.	.0	•0	.0	.0	.0	•0	,0	:0	•0	•0			• 2	
12	• 5	.0	•0	•0	.0	•0	•0	, 0	.0	•0	•0	٠,٥	•0	.5	
13-16	•0	.0	•0	.0	••	•0		•6	.0	.0	•0	•0	•0		
17-19	٠,٥	.0	•0	.0	.0	•0	•0	• 5	:0	.0	•0	•0	•0	•0	
20-22	.0	.0	• 2	.0	• • •	•0	•0	.0	ŏ	.0	•0	•0	.0	•0	
23-25	•0	•0	•0	•0	.0	٠.٥	•0	•0	.0		•0		.0		
26-32	.0	•0	•0	.0	٠,٥	•0	•0		.0	•6	•0	•0		•0	
33-40	•0	.0	•0	•0	•0	• 0	•0	•0	.0	•0	•0	•0	.0	•0	
41-48	•0	.0	•0	•0	.0	.0	•¢	•0		•0	•0	•0		•0	
49-60	•0	.0	•0	•0	•0	•0	•0	•0	. 0	•0	•0	•0	.0	•0	
61-70	•0	.0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•6	•0	•0	
71-d6	.0	.0	•0	.0	.0	•0	•0	•0	•0	-0	•0	•0	.0	•0	
87+ YOT PCT	.0	.0	·0	.0	.0	•0	10.1	1.1	4.4	3.1	.0	•0	.0	R. 8	91.8

MIND	SPEED	(KTS)	VS SEA	MEIGHT	(FT)
0-3	A=10	11-21	22-33	34-47	48+

HST	0-3	A-10	11-21	22-33	34-47	48+	PCT	TOT
								Ces
<1	10.9	9.7	• 2	•0	.0	.0	20.9	
1-2	3.1	34.3	8.1	, C	•0	.0	45.5	
3-4	. 2	10.3	12.2	.c	-0	٠.	22.6	
5-6	.0	. 9	5.6	. 8	•0	.0	7.2	
7	.0	. 2	1.8		•0	.0	2.6	
8-9	.0	. 1	.1	. 5	.0	.0	. 8	
10-11	.0	.0	• 2	. 1	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	. 0	.5	.0	.0	•0	.0	.0	
17-19	.0	.0	.0	.0	•0	.0	.0	
20-22	,ŏ	.5	.0	.0	.0	.0	. 5	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	ě.	.0	.0	.0	.0	,ŏ	
33-40	.0			ŏ	.0	.0	.õ	
41-48		.0	.0		.0	.0	ŏ	
49-60	.0			ŏ	.0	.0	.0	
61-70		.0		.0	.0			
71-86	.0	.0	:ŏ	:0			:ŏ	
					.0			
87+	.0	•0	•0	.0	••	.0	•0	4.04
04-					.0	•	100.0	686
TOT PCT	14.2	55.5	28.2	2.0	• 0	.0	100.0	

PERIUD: (OVER-ALL) 1950-1972

C

ころのと いるいないがあるない インターノ

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	42	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	7.8	26.7	14.9	5.3	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	554	2
5-7	.1	2.1	6.9	4.8	2.5	1.1	•2	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	174	Ä
8-9	• • •		2.1	2.3	1.1	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	5
10-11	•0	. 6	. 6	.5	. 5	.5	-1	.1	.0	.0	:0	•0	.0	.0	.0	.0	.0	.0	.0	28	5
12-13	•0	.0		.5	.3	.2	-1	.2	.0	.0	:0	.0	٠.	.0	.0	.0	.0	.0	.0	21	6
>13	•0	.0	.0	.2	. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	7.5	2.3	1.8	.8	. 9	.0	.1	.0	.0	.0	.0	.0	.0	.0	•0	0	.0	.0	.0	135	2
TOTAL																				787	3
207	18.4	12 2	97 :	14 4	4.4	3 0	1.0	4			٠.٥	. 0					. ^	٠,		100.0	-

			PERCE	NT FRE	QUENCY	BF 00	CURREN	CE OF	SEA TE	MP (DE	G F) B	Y HON!	4	
SEA THP DEG F	NAL	FER	MAR	APR	MAY	JUN	JÜL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
95+	.0	٠.	.0	.0	.0	.0	•0	.0	•0	• C	.0	.0	٥	٠٥
95/96	•0	.0	• 0	.0	.0	, 0	. 3	.0	• C	.0	.0	.0	٥	.0
93/94	.0	.0	• 0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	٥	.0
91/92	.0	.0	.0	• 2	.0	•0	.0	.0	.0	• 1	.2	•0	3	
89/90	• 2	. 1	.?	.3	.1	.3	. 1	. 1	• 1	.3	.2	. 1	23	.2
57/88	1.5	1.6	2.7	3.1	2.5	1.6	.6	. 5	.7	1.1	1.9	. 9	216	1.5
85/86	7.2	9.7	16.3	22.6	25.4	15.4	8.7	5.3	5.2	8.1	9.8	8.1	1693	11.8
83/84	33.2	35.6	40.7	49.1	50.7	49.4	40.6	29.0	27.5	37.5	36.3	36.3	5550	39.1
81/82	46.2	43.2	33.7	22.7	19.0	26.1	41.0	47.0	49.1	39.8	39.9	45.6	5378	37.8
79/80	9.1	3.4	5.9	1.8	1.6	4.2	7.6	13.9	11.7	9.6	8.4	7.3	1058	7.4
77/78	2.5	. 8	.3	.3	. 2	.6	1.0	3.0	4.3	3.0	1.7	1.0	220	1.5
75/76	•2	. 3	.0	. 1	.1	.3	. 2	.7	.7	.4	.4	.6	46	.3
73/74	• 1	.4	• 1	•0	.0	• 2	• 2	. 3	• 3	• 2	. 3	•0	21	-1
71/72	.0	.0	.1	• 0	.0	•0	. 1	. 2	. 3	. 1	.0	•1	10	• 1
69/70	.0	٠.0	• າ	.0	.0	•0	. 2	• • •	• 1	• 0	.0	•0	)	
67/68	•0	.0	.0	• 0	.0	.0	.0	.0	•0	• 0	.0	• 0	0	.0
65/66	.0	.0	.0	•0	.0	•0	.0	.0	•0	• 0	.0	•0	0	•0
63/64	• 0	.0	.0	•0	.0	• 0	.0	.0	•0	•0	.0	•0	0	•0
61/62	.0	.0	•0	.0	.0	•0	•0	.0	•0	•0	.0	•0	0	.0
59/60	• • • •	.0	.0	.0	.0	, O	•0	.0	•0	• 0	.0	•0	0	•0
57/58	•0	.0	•0	•0	.0	• 0	•0	•0	•0	•0	.0	•0	0	•0
55/56	•0	.0	•0	.0	.0	•0	• 0	•0	•0	• 0	.0	.0	0	•0
53/54	•0	•c	•0	۰۰	•0	• 0	.0	.c	.с	٠.	.0	•0	G	.c
31/52	•0	.0	.0	. 0	.0	.0	•0	.0	•0	• 0	٠.	•0	0	•0
49/50	.0	.0	.0	.0	.0	• 0	•0	.0	•0	•0	.0	•0	0	•0
47/48	•0	.0	.0	• 0	.0	•0	.0	. 0	•0	• 0	.0	•0	0	•0
45/46	• 0	.0	.0	•0	•0	•0	.0	.0	• ?	•0	.0	•0	0	•0
43/44	• 2	.0	.0	•0	.0	• 0	•0	.0	•0	• 0	.0	•0	0	.0
41/42	•0	.0	.0	.0	•0	•0	•0	.0	•0	•0	.0	•0	0	.0
39/40	•0	.0	• າ	• 0	.0	.0	•0	.0	•0	.0	.0	.0	0	•0
37/33	•0	.0	• • •	•0	.0	•0	•0	•0	•0	• 0	•0	•0	0	•0
35/36	•0	.0	.0	.0	.0	•0	•0	•0	•0	•0	.0	•0	0	•0
33/34	•0	.0	•0	•C	٠,	•0	•0	.0	•0	• 0	.0	•0	J	-0
31/32	•0	•0	•0	• 0	•0	.0	•0	.0	• 0	•0	.0	•0	0	•^
29/30	.0	.0	.0	•0	•0	•0	.0	.0	•0	• 0	.0	•0	0	•0
27/28	•0	.0	•0	•0	.0	•0	•0	٠.	•0	•0	.0	•0	0	•0
€27	.0	.0	.0	ço	.0	•0	.0	.0	•0	•0	.0	<u>•</u> 0	. 0	•0
TOTAL	1102	1064	1263	1160	1218	1195	1277	1275	1162	1179	1145	1171		100.0
HEAN	82.2	82.4	83.0	83.5	83.0	83.1	82.5	81.8	81.8	82.3	82.4	32.4	82.5	

TABLE 21 PRESSURE (MB)

CE	HOUSE	/CHT3

										TOTAL
MØ	0000	0300	0600	0900	1200	1500	1800	2100	HEAM	OBS
IAN	1011	1009	1010	1008	1010	1009	1010	1008	1010	230
EEd	1010	1012	1010	1009	1009	1011	1009	1010	1010	167
MAR	1910	1011	1010	1009	1009	1009	1010	1009	1010	294
APE	1010	1010	1009	1008	1000	1009	1009	1008	1009	264
MAY	1010	101'	1009	1010	1,09	1011	1009	1008	1009	284
JUN	1211	1011	1010	1009	1309	1010	1010	106	1010	228
JUL	1011	1010	1010	1009	1010	1011	1011	1010	1010	317
AUG	1011	1011	1010	1009	1010	1010	1010	1009	1010	309
SEP	1011	1011	1011	1010	1010	1010	1011	1011	1011	253
CCT	1011	1012	1010	1010	1010	1010	1011	1010	1010	222
NDV	1011	1007	1010	1008	1010	1010	1010	1009	1010	262
DEC	1010	1008	1009	1007	1009	1009	1010	1008	1009	230
ANN	1011	1010	1010	1009	1009	1010	1010	1009	1010	3060
CRS	470	64	\$80	236	507	93	433	277		

### PERCENTILES

MO	HIN	1%	5%	25%	50 <b>£</b>	75%	95%	992	MAX
IAN	1703	1004	1607	1006	1010	1011	1013	1013	1014
PER	1005	1006	1006	1008	1010	1011	1011	1013	1014
MAR	1004	1005	1006	1009	1010	1011	1012	1012	1013
APR	1005	1005	1006	1008	1009	1010	1012	1012	1013
MAY	1005	1005	1007	1005	1009	1010	1013	1014	1015
JUN	1006	1006	1007	1008	1010	1011	1013	1014	1015
JUL	1006	1006	1007	1009	1011	1011	1013	101+	1016
AUG	1005	1006	1007	1009	1010	1011	1013	1014	1015
SEP	1005	1007	1008	1009	1011	1012	1014	1014	1015
PCT	1006	1006	1007	1009	1010	1011	1013	1013	1014
NOV	1004	1005	1006	1009	1010	1011	1013	1013	1014
					7				

PERIOD: (PRIMARY) 1916-1973 (OVER-4LL) 1855-1973

TABLE 1

AREA GCO4 NORTHWES" JAVA SEA 3.65 104. F

PERCENT	EREQUENCY	()F	WEATHER	DCCURRENCE	BY	RIND	DIRECTION

				RECIPI	TATIC	Y TYPE					OTHER	WEATHER	PHEND	MENA	
WND CIR	RAIN	NIA9 Rwh?	DR7L	FRZG PCPN	SNCH	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG HO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	3.6	10.7	2.7	.0	.0	.0	٠.	17.0	•0	5.4	3.6	.0	•0	•0	75.9
NE	10.5	.0	.0	.0	.0	.0	.0	10.5	.0	31.6	.0	•0	•0	.0	68.4
E	.c	.c	.0	.0	. 0	.0	.0	.0	• 0	.0	.0	.0	•0	. 0	100.0
ŠE	.0	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	•0	•0	.0	50.0
\$	. 0	.0	.0	.0	.0	.0	.0	.0	•0	27.3	.0	٠.	•0	۰,	72.7
Šw		.0	.0	.0	.0	.0	.0	.0	•0	4.3	.0	.0	•0	•0	95.7
h	6.5	11.4	1.6	.0	.0		. 0	19.5	3,3	9.6	.0	.0	•0	• 0	70.7
N _h	4.6	10.3	2.4		.0	.ó		17.5	1.4	5.5	2.7	.0	• 0	.0	72.9
VAR	č				.0		.c		.0	.0	.0	.0	•0	• 0	-0
CALM	.0	.0	.0	.ŏ	.0	.0	.c	.c	.0	20.0	.0	.0	•0	•0	80.0
TOT PCT	4.3 161	9.3	1.9	.0	.0	•0	.0	15.5	1.2	8.1	1.9	•0	•0	•0	74.5

TARLE 2

PERCENT FREQUENCY OF WEATHER DO	CURRENCE BY HOUR
---------------------------------	------------------

			Þ	RECIPI	KLITAT	1 TYPE					REHTG	WEATHER	PHEND	MENA	
HOUR (GYT)	NIAR	RAIN SPWR	ORTL	FRZG PCPN	SNOR	OTHER FRZN PCPN	HAIL	PCPN AT UB TIME	PCPN PAST HOUR	THOR	FUG 40 PCPN	FOS WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	
00603 06609 12615 18621	.0 .0 10.9 7.3	6.3 9.3 .0	6.3 .0 2.2 1.8	.0	.0	.0	.0	12.5 9.3 13.0 25.5	6.3 .0 .0	3.1 .0 17.4 14.5	6.3 .0 .0	.0	•0		71.9 90.7 69.6 61.8
TOT PCT TOT CBS:	5.1 178	8.5	2.3	.0	•0	.0	.0	15.9	1.1	9.7	1.7	•0	•0	•0	72.7

TABLE 3

### PERCENTAGE PREDICTION OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			EC (KN) 22-33		48+	TOTAL OBS	PrT FREQ	MEAN Gez	00	63	06	ндия 09	(GMT) 12	15	18	21
N	1.1	9.9	4.4	.2	.0	.0		15.6	8.6	13.3	•0		15.0	18.5	16.7	15.7	18.8
NE	1.9	1.6	• 5	.0	.0	•0		3.6	4.7	1.2	•0	1.6	4.2	8.0	•0	5.0	2.5
£	. 8	. 8	•0	.0	• ?	•0		1.7	3.9	•0	•0	.0	4.2	3.0	•0	2.4	1.2
\$5	. 2	1.0	.0	. ?	.0	.0		1.2	4.6	• • •	•0	.0	4.2	3.0	•0	. 5	• 5
s	. 5	1.4	.4	.0	.0	.0		2.2	6:4	2.1	•0	1.6	4.2	3.0	•0	1.9	1.2
Św	1.3	4.3	. 8	.0	.0	.0		6.4	6.9	5.1	•0	5.7	6.7	8.5	16.7	4.8	8.0
<b>W</b>	2.3	12.4	4.8	.6	.0	.0		20.2	3.5	22.5	62.5	23.4	19.2	12.8	33.3	20.0	21.6
Йw	1.5	26.0	14.8	. 4	.0	.0		42.9	9.7	49.4	37.5	50.8	15.8	35.3	33.3	42.1	42.9
VAR	.ó	.0	.0	.0	.0	.0		.0	.0	• 0	•0	.0	.0	•0	.0	.0	.0
CALM	6.0	•••	•••	• • •				6.0	.0	6.0	•0	5.2	6.7	8.0	•0	6.7	3.7
TOT DBS	84	306	136	6	0	٥	532		8.1	Ä3	- 4	96	60	100	3	105	81
TOT PCT	15.8	57.5	25.6	1.1	٠ŏ	•0		100.0			100.0	100.0	100.0		100.0		100.0

TABLE 34

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPC	00 03	HDUR 06 09	(GHT) 12 15	18 21
N NE E SE	6.8 2.9 1.5 1.1	8.0 .9 .2	.8 .0 .0	.1 .0 .0	.0		15.6 3.8 1.7 1.2	8.6 4.7 3.9 4.6	12.6 1.1 .0	13.0 2.6 1.6	18.4 7.8 2.9 2.9	17.6 3.9 1.9
S SW W Nii	1.4 3.5 8.6 11.7	2.7 10.1 28.0	1.4 3.1	.0 .0	.0		2.2 6.4 20.2 42.9	6.4 6.9 8.5 9.7	2.0 4.9 24.1 48.9	2.5 6.1 21.8 45.0	2.9 8.7 13.3 35.2	1.6 6.2 20.7 42.5
VAR CALM TOT ORS TOT PCT	6.0 232 43.6	.0 270 50.8	.0 29 5.5	.0 1	.0 .0	532	6.0 100.0	.0 8.1	5.7 37 100.0	5.8 156 100.0	.0 7.8 103 100.0	5.4 186 100.0

PAGE 238

€ €

JANUARY

PERIOD: (FRIMARY) 1916-1973 (OVER-ALL) 1855-1973

TABLE 4

APEA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PERCENTAGE FREQUENCY OF WIND SPEED 64 HOUR (GHT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	085
00603	5.7	4.6	60.9	27.6	1.1	.0	.0	8.5	100.0	87
06609	5.8	12.2	57.7	23.7	.6	.0	.0	7.6	100.0	156
12615	7.8	13.6	50.3	21.4	1.0	. 0	.0	7.3	100.0	103
18521	5.4	8.1	56.5	28.5	1.6	.0	.0	8.7	100.0	186
TOT	32	52	305	136	6	0	9	8.1		532
PCT	6.0	9.8	57.5	25.6	1.1	- 0	.0		100.0	

TARLE 5

TABLE 6

												-						
P	CT FRE			LOUD A		(ETGHTHS)		1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL CBS	MEAN CLOUD COVER	00C 149	150 299	300 599	600 <b>999</b>	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	600v÷	NH <5/8	
N	1.4	2.8	7.0	6.0		5.9	•0	.0	1.4	1.4	2.5	1.8	.0	•0	.0	.0	10.2	
NE	•0	1.4	. 4	.0		4.2	• 0	• າ	.0	.0	.0	• າ	.0	•0	.0	.0	1.8	
	.0	.0	.0	•0		• 0	•0	• 0	.0	•0	.0	.0	.0	• 0	.0	.0	.0	
32	.0	.0	1.4	.0		6.0	•0	.0	.0	.0	1.4	• 9	.0	•0	.0	.0	.0	
Š	. 0	.0	1.1	•0		7.0	•0	•0	.0	.0	.0	•0	1.1	•0	•0	•0	•0	
ŠW	1.4	.0	2 - 1	1.1		5.3	•0	'n	. 7	.0	1.4	.4	4	•0	•0	ŏ	1.8	
ŭ	1.4	2.8	5.3	6.7		6.0	•0	•0	.7	1.4	2.1	1.1	.0	•0	•0	•0	10.9	
NW	1.4	2.8	26.4	15.8		6.5	•0	•0	.0	2.8	9.5	2.5	1.4	•0	•0	.0	30.3	
VAR	. 0	.0	.0	•0		•0	•0	.0	.0	.0	.0	-0	.0	•0	•0	. 0	•0	
CALM	1.4	.0	8.5	1.4		5.8	•0	•0	.0	.0	•0	1.4	.0	•0	•0	. 0	9.9	
TOT DAS	- 13	• • •	37	22	71	6.1	·ŏ	ő	• • • •	٠,	iž	•••	• • • •	• 6	• 6	• • •	46	71
TOT PCT	7.0	9.9	52.1	31.0	100.0	•••	•ŏ	•0	2.9	5.6	15.9	7.6	2.8	•0	•0	.c	64.8	100.0

TABLE 7

			UF SIHUL (NH >4/8			iC E
OR	• DR	• a8	VSBY (NH)	• OR	• 58	

				4301 fuu	,			
CEILING	● OR	• DR	<ul> <li>QR</li> </ul>	• OR	• CR	<ul><li>DR</li></ul>	<b>■ 73</b> R	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	.0	•0	.0	.0	.0	.0	•0	.0
■ OR >5000	.0	•0	.0	.0	.0	.0	.0	.0
<ul> <li>OR &gt;3500</li> </ul>	1.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
■ NR >2000	4.2	9.6	9.6	9.6	9.6	9.6	9.6	9.6
<ul> <li>DR &gt;1000</li> </ul>	23.3	26.0	26.0	26.0	26.0	24.0	26.0	26.0
• DR >600	24.7	28.8	30.1	31.5	31.5	31.5	31.5	31.5
<ul> <li>□R &gt;300</li> </ul>	24.7	31.5	32.9	34.2	34.2	34.2	34.2	34.2
<ul><li>DR &gt;150</li></ul>	24.7	31.5	32.9	34.2	34.2	34.2	34.2	34.2
• OR > 0	24.7	31.5	32.9	34.2	34.2	34.2	34.2	34.2
TOTAL	18	23	24	25	25	25	25	25

TOTAL NUMBER OF OBS: 73

PCT FREQ NH <5/81 65.8

### TABLE 74

### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

o	1	2	3	4	5	6	7	8 0	BSÇD	TOTAL DBS
3.9	14.3	11.7	24.7	10.4	9.1	11.7	6.5	7.8	•0	77

	A.I	٠	٥	v

	*** * **	
PERIOD: (PRIMARY) 1916-1973 (OVER-ALL) 1855-1973	TABLE 4	AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

		P	FRCENT	PREC	OF WING	DIRECTION WIT	TION TH VAR	ATHE A	"LUES (	F DR N	181111	URRENC	E DF
VSBY (NH)		N	NE	Ε	SE	s	Sw	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
<1/2	NO PCP		.0	.0	.0	•0	.0	.0	.0	. 0	.0	.0	
	TOT %	. 6	.0	•0	.0	•0	• 0	ō	•0	.0	.0	.0	
	PCP	.0	.0	.0	.0	•0	•0	.c	.0	.0	•0	.0	
1/2<1	NO PCP	.0	٠.	.0	•0	•0	• 0	.0	•0	.c	•0	.0	
	TOT \$	• 2	.0	•0	• 0	•0	• ^	•0	•0	•0	•0	.0	
	PEP	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	
1<2	NO PCP	.0	.0	•0	.0	•0	• 0	•0	.0	• 0	•0	.6	
	TOT %	.6	.0	•0	•0	•0	• ^	.0	•0	.0	•0	.6	
	PCP	. 3	.0	.0	.0	•0	.0	.6	.9	.0	• 2	1.9	
2<5	NO PCP	.0	.0	.0	.0	•0	.0	.0	.6	.0	•0	.6	
	TOT %	. 3	.0	.0	.0	•0	• •	.6	1.6	.0	.0	2.5	
	PCP	1.6	.3	.0	.0	•0	•0	3.1	5.0	.0	•0	9.9	
5<10	NO PCP	7.6	1.2	2.5	.0	.5	. 5	3.0	12.7	•0	.6	28.6	
	TOT %	9.2	1.5	2.5	•0	•5	• 5	5.1	17.7	•0	• 5	38.3	
	PCP	1.1	.0	.0	.6	.0	•0	.0	2.0	.0	.0	3.7	
10+	NO PCP	6.2	1.4	.0	. 6	1.2	3 • 1	17.4	24.1	.0	5.6	54.7	
	TOT %	7.3	1.4	.5	1.2	1.2	3.1	17.4	24.1	.0	5.5	58.4	
	TOT OBS												161
	TOT PCT	17.4	3.0	2.5	1.2	1.7	3.6	19.1	45.3	.0	6.2	100.0	

TABLE 9

			ŧ	ERCENT W					VS WI		ED		
V58Y (NH)	SPD KTS	N	NE	E	SE	S	\$1	¥	44	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.c	.0	.0	.0	.0	. າ	.0	.0	.0	
€1/2	4-10	.0		.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.ŏ	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	.0	•0	.0	.0	.0	•0	•0	.0	
	0-3	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	
1/2<1	4-10	.0	•0	•0	.0	•0	.0	•0	.0	•0		.0	
	11-21	٠.	.0	•0	.0	•0	.0	•0	.0	.0		.0	
	22+	•0	٠٥	•0	.0	•0	.0	•0	•0	•0		.0	
	TOT \$	.0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	
	0-3	.0	.0	•0	.0	.0	.0	.0	•0	.0	-0	.0	
1<2	4-10	.0	.0	•0	.0	•0	•0	•0	•0	.0		.0	
	11-21	. 3	•0	•0	•0	•0	.0	.3	.0	.0		.6	
	22+	•0	.0	•0	•0	•0	•0	•0	•0	.0		•0	
	TOT %	.3	.0	•0	•0	•0	.0	.3	.0	.0	•0	.6	
	0-3	.0	.0	•0	.0	•0	.0	.0	.0	.0	.3	3	
2<5	4-10	.2	•0	•0	.0	•0	.0	, 6	.,	•0		1.9	
	11-21	.0	. 0	•0	•0	•0	.0	•0	.3	٠,		.3	
	22+	.0	.0	•0	•0	•0	.0	.0	0	٠,٥		2.5	
	TOT \$	• 2	•0	•0	•0	•0	•0	••	1.3	.0	.3	2.3	
	0-3	.3	.3	•6	•0	•0	.0	0	0	.0	.3	1.6	
5<10	4-10	3.1	.6	• 6	.0	•5	.6	1.4	7.0	٠,٥		13.6	
	11-21	1.4	.0	•0	•0	•0	.2		.3	.0		3.5	
	22+	2	•0	.•0	.0	•0	.7	.5 3.4	9.6	.0	.3	21.5	
	TOT \$	5.0	.9	1.3	•0	.2	• '	3.4	7.0	.0	.,	****	
	0-3	1.0	1.1	.3	٠2	.5	1.6	9.6	2.1	.0	6.9	16.1	
10+	4-10	9.5	.9	• 6			1.4	1.4	10.1	•0		17.7	
	11-21	3.2	.3	•0	•0	•0	.9	1.0	11.8	.0			
	22+	0	0	•0	.0	1.3	3.9	13.4	32.0	.0	6.9	75.4	
	TOT #	13.6	2.3	. 7	. 7	113	3.7		32.0	••	3.7	.,,,	
	TOT OBS	19.1	3.2	2.2	.9	1.5	4.7	17.9	42.9	•0	7.6	100.0	317

PAGE 240

JANUARY

PERIJO:	(PRIMARY)	1916-1973
	(OVER-ALL)	1855-1973

TARLE 10

AREA COO4 NORTHWEST JAVA SEA 3.65 106.5E

PERCENT	FREQUENCY OF	CFICING	HETGHTS	(FEFT, NH	>4/61	AND
	OCC HODE	MEE OF M	u /4/6 a.	LOUB		

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 34 <b>9</b> 9	3500 4997	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	•0	10.5	10.5	10.5	5.3	•0	••	•0	36.6	63.2	19
16609	.0	.0	•0	5.3	21.1	5.3	.0	•0	.0	•0	31.6	68.4	19
12615	.0	.0	4.3	4.3	17.4	.0	.0	•0	.0	•0	26.1	73.9	23
18621	.0	.0	7.1	•0	14.3	14.3	7.1	.0	.0	•0	42.9	57.1	14
TOT	ç	0	2.7	5.3	12	5.7	2.7	0	0	0	25	50 64.7	75

TABLE 11

TABLE 12

		PERCENT	FREQUEN	(CY VSB1	( (NH)	ay Hour		CUMULAT					VSBY (NH)	
HOUR (GYT)	<1/2	1/2<1	1<7	2<5	5<10	10+	TCTAL GBS	HDUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	.c	4.0	26.0	70.0	50	00803	.0	.0	16.5	26.3	63.2	19
90360	•0	.0	•c	1.3	16.3	82.5	80	90360	.0	•0	5.3	26,3	68.4	19
12615	•0	.0	1.2	2.5	14.8	81.5	81	12615	.0	4.3	4.7	17.4	73.9	25
18621	•0	ن.		2.5	28.1	68.6	121	18621	.0	8.3	4,3	41.7	50.0	12
TOT PCT	.0	.0	.A	8 2.4	72 21.7	250 75.3	332	TOT PCT	.0	2.7	8,2	19 26.0	48	73 100.0

TARLE 13

TABLE 14

	PERC	ENT FR	EOUENCY	7 OF 8	ELATIV	E HUMIC	)	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	4 OF W	IND DI	RECTIO	N BY T	EMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREG	N	NE	E	SE	5	SW	W	NW	VAR	CALM	
85/89	• 0	.0	• 0	.0	1.6	1.6	2.4	• ^	7	5.6	• ?	.0		. 4	.0	.0	. 4	2.0	•0		
80/84	.0	.0	.0	•0	. 0	22.6	38.7	9.7	89	71.8	14.9	2.4	2.4	. 8		2.8	8.9	31.5	.0	7.3	
75/79								11.3	28	22.6	5.4	. 6	.0	.0	. 6	. 2	6.0	9.7	•0	.0	
TOTAL		0		0			64		124	100.0								-			
PCT	.0	.0	•0	•0	2.4	25.0	51.6	21.0			20.4	3.0	3.2	1.6	1.4	3.0	15.3	44.0	•0	8.1	

TABLE 15

TABLE 16

	MENNS"	EXTREM	ES AND	PERCEN	IIILE2	UP TE	(DE	0 F) I	T HOUR		PERC	ENT FRE	Øη£u¢ A	UP KELA	ITAE M	UMIDITY	BA HOO	ĸ
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	HIN	HEAN	TUTAL DBS	HOUR (	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	
£0300	44	85	83	80	7£	75	75	86.3	89	60300	.0	•0	_ • 0	8.3	75.0	16.7	85	
99360	89	87	86	82	79	76	76	82.2	156	90360	•0	•0	8.6	42.9	42.9	5.7	79	
12615	86	85	84	81	79	76	76	81.1	111	12615	.0	.0	2.7	27.0	48.4	21.6	83	
18621	83	82	82	80	74	75	72	79.9	190	18621	•0	.0	•0	14.3	50.0	35.7	87	
TOT	89	87	85	81	77	75	72	80.9	546	TOT	0	Ŏ	4	33	72	29	14	

JANUARY

PERIOD: (PRIMARY) 1916-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0004 NUFTHWEST JAVA SEA 3.65 106.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE CCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		77		89	89	TOT		WO
AIR-SEA	73		81			101	, d	
THP DIF	76	80	84	88	92		FOG	\$0 <b></b>
5	.0	•0	.0	1,5	. 6	3	•0	2.3
Ž.	.0	•0	. 0	. ,	• 0	ĭ	• 2	. 5
			.c	á	.0	:	•0	
,	.0	•0						• •
2	.0	• 0	4.5	.0	•0	6	• ?	4.5
ì	. 5	. 8	4.5	1.5	. 0	9	• >	6.5
ŏ	.0	5.3	15.9	• 0	.0	28	. 6	20.5
-1	.0	5.3	9.8	1.4	.0	22	• 5	16.7
- ž		12.1	16.7	.,	•0	38	•0	28.8
-3	.0	4.5	3.6	.0	.0	11	•0	8.3
-4	. 8	4.5	. 8	.0	.0	8	• 0	6.1
-5	.0	3.0	.0	.0	.0	4	.0	3.0
-6	.0	.0	. 8	.0	.0	1	• 0	. 8
TOTAL	• • •		75	•	1	_	1	131
7176	•	47		8	•	132	•	
					_		_	
<b>≠CT</b>		35.6	56.8	6.1	.8	100.0	. 3	99.2

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

				PC	T FREG OF	WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-9	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	5.9	•0	•0	.0	-0	5.9		2.9	•0	.0	•0	• 0	•0	2.9
1-2	.0	7.4	.0	.0	.0	.0	7.4		• • •	• 7	• • •	.0	• 0	•0	• 7
3-4	.0	.0	4.4	• 0	.0	•0	4.4		•0	•0	•0	•0	• 0	•0	.0
5-6	.0	٠.	2.9	.0	.0	•0	2.9		• 0	•0	.0	•0	•0	•0	•0
7_	.0	۰.	•0	٠.	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
89	.0	.0	•0	•0	•0	•0	•0		• 5	•0	•0	•0	.0	•0	•0
10-11	.0	.0	•0	-0	•0	•0	•0		• 0	•0	.0	-0	•0	•0	•0
12	٠.	.0	•0	•0	•0	•0	•0		• 5	•0	•0	•0	• 5	•0	•0
13-16	.0	۰.	•0	.0	•0	.0	•0		•0	.3	.0	•0	•0	•0	•0
17-19	.0	.0	•0	.0	•0	• 0	•0		•0	•0	•0	•0	•0	.0	•0
50-55	• 0	.Q	•0	•0	.0	-0	•0		•0	•0	.0	•0	•0	•0	• 0
23-25	.0	.0	•0	.0	٠,٥	•0	•0		•0	:0	.0	•0	•0	•0	•0
26-32	.0	.0	•0	.0	.0	•0	.0		•0	• 0	•0	.0	•0	.0	•0
33-40	.0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
41-48	.0	۰.	•0	•0	•0	•0	•0		•0	•0	•0	.0	•0	•0	•0
49-60	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
61-70	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0
71-86	•0	.0	•0	•0	.0	•0	•0		•0	٠Ç	.0	•0	.0	•0	•0
87+	• 0		.0	• 0	'n	•0	?		.•0	:7	• ?	•0	•0	•0	.0
TOT PCT	•0	13.2	7.4	•0	.c	•0	20.6		2.9	• /	.0	•0	• 0	•0	3.7
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
ci .		.0	.0	.0	.0	•0	.0		.0	2.9	.0	•0	•0	.0	2.9
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
3-4	ě	.ŏ	ŏ		ŏ	·ŏ	.0		.0	.0	.0	.ŏ	ò	.o	.0
5-6	.0	.ö	•0	•0	.0	.0			.0	.0	.0	.0	.0	.0	.0
7	.0	.ò	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	•0
8-9	.0	.ò	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	•0
10-11	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	.0	•0	.0	•0
12	.0	.0	.0	.0	.0	•0	•0		.0	•0	.0	•0	•0	•0	•0
13-16	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	•0	•0
17-19	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	•0
23-25	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	•0
26-32	.0	.0	•0	.0	.0	.0	•^		.0	.0	.0	.0	••	.0	•0
33-40	.0	.0	•0	.0	٥.	.0			.0	.0	.0	.0	•0	.0	•0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	•0	•0
49-00	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	•0	•0	.0	•0
61-70	.0	.0	.0	•0	.0	.0	.0		.0	•0	.0	.0	•0	.0	•0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	,0	.0	.0	.0	•0
87+	.0	.0	.0	.0	.0	.0	.0		•0	•0	.0	.0	•0	.0	•0
TOT PCT	.0	.0	•0	•0	.0	.0	.0		.0	2.9	.0	.0	•0	.0	2.9
					-										

PAGE 242

									JANUARY				4954	0004 1		ST JAVA SEA
PERIDDE	COVER	-1(1)	1963-1	9/3				TABLE	18 (CONT)				-464		5 106	
				pc	T FREO	OF WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS S	EA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		27-33	34-47	48+	PCT	
<1	٠.٥	.0	•0	•0	۰۰	•0	2.2		•0	.0 1.5		.0	•0	.0	1.5	
1 - 2 3 - 4	.0	2.2	•0	.0	:5	.0	.0		• 5			.0	.0	.0	1.0	
5-6		.ŏ	.0	.0	.ŏ	.0	ě		•0	.0				.0	.ŏ	
77	.5	.5	Ö	.5			.c		ž	.0		.0	•0	.0	.0	
8-9	.5	.0	ě	.0	ñ	•0	.0		, c	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	•0	.0	.0	
12	٠.	.0	.0	.0	. 0	•0	• C		.0	.0		.0	•0	.0	•0	
13-16	.c	• 0	•0	•0	.0	•0	.0		•0	•0		.0	• 0	•0	•0	
17-19	•0	.0	•0	.0	• 0	.0	.0		• 9	• 0		.0	•0	.0	•0	
20-22	.0	.0	•0	•0	.0	•0	•0		•2	•0		.0	•0	٠.	.0	
23-25	.0	•0	•0	.0	.0	.0	•0		•0	.0		.0	•0	.0	.0	
26-32 33-40	.0	.0	•0	.0	.0	.0	•0		•0	.0		.0	•0	.0	.0	
41-48	.0	.0	•0	•0	.0	·:	.0		.0	.0		.0	•0	.5	.ŏ	
49-60	.0	·ŏ	·õ	.0	.ŏ		.ŏ		ěŏ	.0		.0	.0		.0	
61-70	ě	.0	ŏ			.0	.0		.0	.0		.0	•0		.0	
71-86	.0	.0	.ŏ	.0	.0	.0	.0		•0	.0		.0	•0	.0	.0	
87+	, c	.0	.0	•0	.0	.0	.0		.0	.0		•0	•0	.0	•0	
TOT PCT	. 5	2.2	.0	.0	٥.	.0	2.2		•0	1.5	•0	•0	•0	.0	1.5	
				×								Nw				TOTAL
PGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	•0	.0	.0	. 0	.0	.0			.0		• • • •	• 0	.0	.0	•
1-2	.c	4.4	.0	.0	. 0	.0	4.4		.0	19,1		.0	.0	.0	27.9	
3-4	.0	2.9	.0	.0	.0	.0	2.9		.0	.0	13.2	.0	• 0	.0	13.2	
5-6	٠.	.0	.0	.0	.0	.0	.0		.0	.0		.0	•0	.0	5.9	
7	.0	.0	.0	.0	.0	•0	.0		•0	• 0		•0	•0	•0	•0	
8-9	.0	.0	•0	•0	• (*	•0	.0		•?	• •			• 2	.0	• 2	
10-11	٠.	٠.٥	•0	.0	.6	•0	•0		•6	.0		•0	•0	•0	•0	
12	•0	•0	•0	.0	•0	.0	.0		• 0			.0	.0	.0	•0	
13-16 17-19	.0	.0	•0	.0	.0	.0	.0		,0			.0		ě	.5	
20-22	.0	.0	.0	.0	.0	.0	.0		ŏ			.0	•0	.0	.0	
23-25	. 0	.ŏ	•0	.0	.0	.0	.0		.0				.0	.0	•0	
26-32	.0		.0	.0	. 6	.0	.0		ر آ			.0	.5	.0	.0	
33-40	. 5	.0	.0	.0	.0	.0	.0		. 5			.0	• 0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	• (		.0	• 5	.0	.0	
49-60	.0	•0	.0	.0	• ?	•0	•0		•0	• •		•0	•0	.0	•0	
61-70	.0	.0	•0	.0	•0	•0	.0		•0	• 0		•0	•0	.0	•0	
71-86	.0	•0	•0	.0	.0	•0	•0		•0			•0	•0	•0	.0	
87+	. 3	0	•0	•0	.0	•6	٠,٠		• ?	19.1		.0	•0	.0	(7.1	95.3
TOT PCT	.0	7.4	•0	.0	٠٥.	٠.	7.4		.0	14.1	27.9	•0	• 0	.0	-7.1	77.8

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	707
<1	19,4	8.3	.0	.0	.0	.0	27.8	385
1-2	2.6	33.3	8.3	. 0	.0	.0	44.4	
3-4		2.8	16.7		.0	.6	19.4	
5-6	.0	.0	8.3	.,	.0	.0	8.3	
77	.0	.0	.0	.0	.0	.0		
6-9					.ŏ			
	•0	•0	.0	•0		•0	.0	
10-11	.0	•0	•0	.0	.0	.0	.0	
12	•0	• •	,C	•0	• 0	• 0	.0	
13-16	•0	•0	.0	•0	.0	.0	.0	
17-19	.0	.0	.0	•0	.0	.0	.0	
70-27	.0	-0	.0	.0		- 2	.0	
23-25	.0	.0	-6	.0	.0	.0	.0	
26-32	-0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0			.c	
41-48	.0	.5	.0	.0		.0	.0	
49-60		.0	. ć				ŏ	
61-7C	:0							
							٠,٥	
71-86	•0	•0	•0	•0			•0	
67+	•0	.0	.0	.0	•0	•0	.0	
						_		36
TET PET	22.2	44.4	33.3	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1913-1973 (CVER-ALL) 1557-1973

C

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.68 106.6E

PERCENT	FREQUENCY	OF	MEATHER	OCCURRENCE	84	WIND	DIRECTION

			•	RECIPI	OITAT	N TYPE			OTHER WEATHER PHENDMENA						
WNO CIR	RAIN	RAIN	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUS BLWG SNO	
N NE E SE S S W N W VAR CAL	1.1 5.0 .0 .0 6.3 14.3 6.4	5.5 .0 .0 .0 .0 .0 4.4 11.9			••••••	•••••••••••	000000000000	6.6 5.0 .0 .0 6.3 18.7 18.3	.0	4.4 17.5 .0 .0 .0 .0 12.2 7.8 .0 20.0	2.2 20.0 .0 44.4 .0 .0 .0	.00	.0 .0 .0 .0 .0	.0 .0 .0 .0 .0	38.0 62.5 100.0 55.6 100.0 93.8 76.9 74.0 80.0
TOT PCT TOT C85:	5.3 151	6.6	.0	.0	•0	.0	.0	11.9	•0	7.9	3.3	•0	.7	•0	79.5

TARLE 2

PERCENT	ERFOLENCY	OF	MEATHER	OCCURRENCE	BV MAIR

			•	RECIPI	TATIO	4 TYPE			OTHER WEATHER PHENOMENA						
HOUR (GHT)	RAIN	RAIN Shwr	ORTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	11.1 .0 2.4 7.8	7.4 5.0 2.4 9.8	.0	.0	.0 .0 .0	•0	.0 .0	18.5 5.0 4.9 17.6	.0 .0 .0	3.7 .0 14.6 11.8	.0 5.0 4.9 2.0	.0 .0	.0 2.4 .0	•0	81.5 90.0 75.6 74.5
TOT PCT TOT CBS:	5.0 159	6.3	.0	.0	•0	.0	•0	11.3	•0	#.2	3.1	.0	.6	•0	79.9

TABLE 3

### PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D \$PE	ED EKNE	TS)								HOUR	(GHT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FRFQ	MEAN SPD	00	03	06	09	12	15	18	51
N NE	2.7	16.5	4.2	.3	•0	.0		23.7	#:0 6.8	23.2	25.0	16.4	21.8	25.5	40.0	28.6	21.7
E	1.9	.8	.0	.0	•0	•0		2.7	3.0	1.0	21.9	•0	6.4	3.2	•0	1.9	1.4
S.F S	1.0	1.8	•0	.0	•0	•0		2.8	5.3 4.9	•0	3.1	1.4	2.7	2.7 3.8	20.0	1.0	.7
S.	1.5	3.0	. 0	.0	.0	.0		5.3	6.7	8.9	•0	5.0	4.5	4.3	•0	4.9	6.5
¥ Nw	2.1	7.6	7.9	.0	.0	•0		13.7	#.2 #:3	11.6 50.4	12.5	20.0	17.3	13.7	10.0	11.2	10.1
VAR		.0	.c		.0	.ŏ		.0	.0	.0	• • •	.0	.0	• 0	.0	.0	.0
CALM TOT OBS	103	273	81	,	0	0	459	9.4	7.0	3.6 56	• 0	7.1 70	9.1 35	16.1	20.0	7.8	10.1
TET PET	22.4	59.5	17.6	٠.	٠ŏ	•¢		100.0			100.0	100.0			100.0		

TABLE 3A

		WIND	SPEED	(XNGTS)						HOU	(GHT	)
NND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	90	06	12	18
						085	FREQ	SPD	03	09	15	51
N	9.9	12.7	1.1	.0	.0		23.7	8.0	23,4	18.8	26.3	25.9
NE	2.5	2.1	.0	.0	٠.		4.6	6.8	1.2	4.4	5.6	5.4
F	2.6	•1	.0	.0	.0		2.7	3.0	4.3	2.0	3.1	1.7
SE		.4	.0	.0	.0		1.3	5.3	.4	1.2	2.6	.9
\$	2.1	.7	.0	.0	.0		2.8	4.9	.0	1.6	4.6	3.6
Ste	2.6	2.7	.0	.0	.0		5.3	6.7	7.4	4.8	4.1	5.5
W	5.8	7.2	.7	.0	.0		13.7	8.2	11.7	18.8	13.5	10.8
NM	14.5	20.4	1.7	.0	.0		36.7	8.3	48.0	39.6	24.0	37.5
VAR	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0
CALM	9.4						9.4	.0	3.1	8.0	16.3	8.7
TOT QAS	230	213	16	0	0	459		7.0	64	125	98	172
TOT PCT	50.1	40.4	3.5	•0	.0		100.0		100.0	100.0		100.0

PERIOD: (PRIMARY) 1913-1973 (OVER-ALI) 1857-1973

TASLE 4

AREA 0004 NORTHWEST JAVA SEA 3,65 106.65

*

PERCENTAGE	CREALIENCY				
PERCENTAGE	PREQUENCY	UP RIND	JASEA .	אטטא די	(GMI)

	WIND SPEED (KNOTS) PCT												
HOUR	CALM	1-3	4-10		22-33		48+	WEVN	FREG	TOTAL			
00403	3.1	15.6	60.9	20.3	.0	.0	.0	7.7	100.0	64			
90360	8.0	16.6	60.0	15.2	.0	.0	.0	6.6	100.0	125			
12615	16.3	14.3	56.1	12.2	1.0	.0	.0	6.1	100.0	98			
18621	8.7	8.7	60.5	21.5	. 6	.0	.0	7.6	100.0	172			
TOT	43	60	273	81	2	٥	0	7.0		459			
PCT	9.4	13.1	59.5	17.6		.0	-0		100-0				

TABLE 5

TARLE 6

P	C7 FRE			CLOUD A		EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	S & CBSCO	TOTAL CBS	MEAN CLOUD COVER	000 149	150 299	30C 599	600 999	1000	2000 3499	3500 4999	5000 6499	0500 7999	<b>\$000</b> +	NH C5/8 ANY HGT	
N	1.1	4.2	11.7	11.0		6.4	•0	•0	• 0	3.0	3.0	1.1	.0	.0	.0	.0	20.8	
NE	.0	3.4	1.9	•0		4.8	•0	• 0	.0	.0	• 0	1.5	.0	.0	•0	• • • •	3.8	
E	. 0	.0	1.1	.0		6.0	•0	• 0	.0	.0	.0	•0	.0	.0	.0	.0	1.1	
ŠE	. 0	. 0	.4	•0		5.0	•0	• ?	.0	•0	.0	•0	.0	•0	•0	.0	.4	
Š	.0	1.1	.0			4.0	•0	•0	.0	.0	.0	+0	.0	.0	•0	.0	1.1	
ŠW	. 5	.4	1.5	•0		6.4	•0	•0	.0	•0	•0	• 0	.0	.0	•0	.0	1.9	
W	2.7	10.6	2.7	1.5		3.8	•0	•0	.0	.0	2.7	•0	.0	•0	•0	٠,0	14.8	
ÑW	- 1	*.6	17.0			6.5	. 9	• 0		4.5	4.9	3.4	3.0	-0	•0	.0	22.7	
VAR	.0	.0	•0	.0		.0	•0	•0	.0	.0	.0	•0	.0	•0	•0	.0	•0	
CALM	1.5	.0	4.5	.0		5.2	•0	•0	.0	.0	1.5	•0	1.5	.0	.0	.0	3.0	
TOT OBS	-14	18	27	17	66	5.8	ŏ	ő	ŏ	Ť	· · í	14		ō	ŏ	*6	46	66
TOT PCT	6.1	27.3	40.9	25.8	100.0	• • •	• 0	• 6	.0	7.6	12.1	6.1	4.5	•0	•0	.0	69.7	100.0

TABLE 7

CUMULATIVE	PCT FREC	OF STRULT	ANEOUS D	CCURRENCE
		(NH >4/8)		

				VSBY (NE	3			
CEILING	= CR	- GR	• OR	• DR	- OP	• GR	• DR	<ul> <li>OR</li> </ul>
(FEET)	>10	-:	>2	>1	>1/2	>1/4	>5040	>0
■ DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ DR >5000	.0	•0	.0	.:	.0	.0	.0	.0
• OR >3500	1.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4
• CR >2000	7.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3
- DR >1000	19.1	22.1	22.1	22.1	72.1	22.1	22.1	22.1
• DR >600	25.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4
■ DR >300	25.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4
■ DR >150	25.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4
- DR > 0	25.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4
TOTAL	17	20	20	20	20	20	20	20

TOTAL NUMBER OF 1851 66

PCT FREQ NH <5/8: 7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 1.4 16.4 20.5 21.9 11.0 8.2 6.8 6.8 6.8 .0 73

F	E	2	11	A	2	٧

PERIOD: (PRIMARY) 1913-1973 (DVER-ALL) 1557-1973

TABLE 8

AREA DUCA NORTHWEST JAVA SEA 3.65 106.6E

				PREC	PLIAT	ION MI	14 A 4 4	ATAR A	'ALUES :	3- A12	191511	7	
VSBY (NH)		٨	NE	ŧ	Se	S	S₩	¥	าน	VAR	CALM	PCT	ATCT 26C
	PCP	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	• 0	.0	.0	.0	. 0	.0	
	TOT %	•0	.0	•0	•0	•0	• 0	.0	•0	.0	.0	.0	
	PCP	.c	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	. ^	• 0	• 0	• C	-0	• ^	.0	.0	• 0	•0	.0	
	TOT %	.c	.0	•0	.0	•0	•0	.0	•0	.0	•0	.0	
	PCP	.c	.c	.0	.0	•0	•0	.0	.0	.0	.0	.0	
1<5	NO PCP	• 0	.0	•0	.0	•0	• 0	.0	.0	.0	•0	.0	
	101 %	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	.0	
	PCP	٠,	.0	.0	.0	.0	.0	1.3	.7	.0	.0	2.0	
?<5	NO PCP	.0	• 0	.0	.0	•0	.0	.0	•0	.0	•0	.0	
	TOT %	٠.	.0	•0	•0	•0	•0	1.3	.7	.0	• 0	2.0	
	PCP	2.0	. 3	.0	.0	•0	.,	.8	4.6	.0	•0	7.9	
5<10	PO PCP	7.6	3.3	•0	1.0	1.7	1.3	2.3	9.3	.0	.7	27.2	
	TOT %	9.6	3.6	• 0	1.0	1.7	1.5	3.1	13.9	•0	.7	35.1	
	PCP	.0	.0	.0	.0	•0	,0	.7		.0	•0	2.0	
10+	NO PCP	20.7	3.0	1.2	. 5	1.5	1.2	9.9	20.4	.0	2.6	60.9	
	TOT %	20.7	3.0	1.2	. 5	1.5	1.2	10.6	21.7	.0	2.6	62.9	

TOT DBS TOT PCT 30.3 0.6 1.2 1.5 3.1 2.4 15.1 36.3 .0 3.3 100.0

TABLE 9

VSBY (NM) <1/2	SPD KTS	N	WITH VARYING VALUES OF VISIBILITY												
			N.E	E	S€	\$	S >=	#	MA	VAR	CALH	PCT	TOTAL OBS		
11/2	0-3	.0	.0	٠.	.0	,0	.0	٠.	.0	.0	.0	.0	•••		
	4-10	.ö	.0	.0	•0	. 0	.5	.0	.ŏ	.ŏ	•••	ŏ			
	11-21	.0	.0	.0	.0	.0	.0	.0	. ñ	.0		.0			
	22+	.0	.0	.0	.c	.0	.0	.0	.0	.0		. 0			
	TOT \$	.0	.0	.0	.0	.c	.ŏ	.0	.0	.0	.0	.c			
	0-3	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	.0			
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
	11-21	.0	.0	.0	.0	,õ	.0	.0	.0	.0		.o			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
	TOT \$	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠0	.0			
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
	11-21	.0	.0	.0	.0	.0	٠.	.0	.0	.0		.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
	TOT X	•0	.0	•0	•0	•0	.0	.0	.0	.0	•0	.0			
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
2<5	4-10	.0	•0	.0	.0	.0	.0	.4	.7	.0		1.1			
	11-21	.2	•0	•0	•0	.0	.0	.4	.6	.0		1.1			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0			
	TOT \$	.2	.0	•0	.0	•0	.0	.7	1.3	•0	•0	2.2			
	0-3	.7	.7	.0	.4	.4	.0	.0	.7	.0	.7	3.7			
5<10	4-10	4.1	1.1	.0	• 2	.0	.7	1.5	6.3	.0		14,4			
	11-21	.6	.2	.0	•0	•0	- 1	.6	1.1	.0		2.6			
	22+	0	.0	.0	.0	•0	•0	.0	.0	٠.	_	0			
	TOT %	5,4	2.0	.0	•6	.9	.8	2.1	8.1	.0	.7	29.7			
	0-3	2.1	.6	2.4	.0	.0	1.1	1.3	2.8	.0	8.9				
10+	4-10	13.2	2.1	.3	1.0	1.8	1.6	5.1	20.0	•0		45.0			
	11-21	4.1	.7	•0	.0	.0	.6	2.7	4.5	•0		12.5			
	22+	3	0	.0	0	.0	.0	0	1	.0		*			
	TOT \$	19.6	3.5	2.7	1.0	1.8	3.2	9.0	27.4	•0	8.9	77.1			
	OT ORS	25.2	5.5	2.7	1.6	2.7	4.1	11.9	36.8	.0		100.0	271		

PEBRUARY

PERIOD:	(PRIMARY)	1913-1973
	(CVER-ALL)	1857-1973

TARLE 10

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PERCENT	FREQUENCY OF	CFICING	HEIGHTS	(FEET, NH	>4/81	AND
	OCCUPRE	HER SE MI	4 /4/R BI	/ MOHB		

HOUR (GMT)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH CS/8 ANY HGT	TOTAL OBS
60300	.0	.0	.0	11.8	23.5	5,9	.0	.0	.0	•0	41.2	58.8	17
90360	.0	.0	.0	•0	16.7	.0	.0	.0	.0	.0	16.7	83.3	18
12615	٠.	.0	.0	5.3	5.3	10.5	10.5	.0	.0	•0	31.6	68.4	19
18221	.0	.0	.0	11.1	.0	5.6	5.6	.0	.0	•0	22.2	77.6	18
101	9	0	0	. 5	•	. •	. 3	0	0	0	20	52	72

TARLE 11

TABLE 12

		PERCFNT	FREQUE	CY VSB1	(NM)	BY HOUR		CUMULAT					VSBY (NM) ),BY HOUR	
HEUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL OBS
£0300	.0	٠.	.0	.0	14,3	85.7	42	00603	.0	.0	11.8	29.4	58.8	17
90360	•0	.0	.0	.0	22.4	77.6	67	90360	•0	•0	.0	17.6	82.4	17
17615	.0	.0	.0	2.9	22.1	75.0	68	12615	•0	•0	\$.6	27.8	66.7	16
18621	.0	.0	٠.	3.9	23.5	72.5	102	18281	.0	.0	12.5	12.5	75.0	16
TOT	.0	0	6	2.2	60 21.5	213 76.3	279 100-0	191 PC7	0	.0	7.4	15 22.1	48 70.6	68 100.0

TABLE 13

TABLE 14

						-														
	PERC	ENT PR	EGUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERCE	NT FR	EQUENC	Y OF #	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	SH	W	NW	VAR	CALM
90/94	٠.	.0	.0	.0		. 8		.c	2	1.6		.0	.0	.0	.0	.0	.6	.2	.0	.0
85/89	.0	.0	0	•0		4.1	1.6	.0	8	6.6	. 6	. 1	.6	.2	.0	.0		3.5	.0	.0
80/84	.0	.0	0	• 0		23.0	41.8	11.5	94	77.0	25.2	6.1	•0	1.6	1.6	2.7	9.0	26.6	•6	4.1
75/79	.0	.0	0	.0	0		6.6	7.4	18	14.8	3.9	.0	.0	.0	.6	. 2	٠.5	5.5	.0	.0
TOTAL	٥		0	0	3	35	61	23	122	100.0										
PCT	.0	0		.0	2.5	28.7	50.0	18.9			30.5	7.0	.6	1.8	2.3	2.5	15.0	35.9	.0	4.1

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCEN	TILES :	0= TE	P (DE	G F) B	Y HCUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDINU	84 4001	t
HOUR (GHT)	MAX	99%	95%	30%	51	15	HIN	MEAN	TOTAL OBS	HGUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-106	MEAN	TOTA
£0300	88 92	87 90	84 87	81 82	78 78	74 77	74 76	80.7	63 124	60300 90300	.0	•0	8.3	26.3	47.4	26.3 5.6	64 79	19
12615	85	84	84	82	78	76	76	81.4	98	12615	.0	:ŏ	•0	33.3	51.5	15.2	83	33
18621 TOT	83 92	82 87	82 85	81 81	77 78	75 75	73 73	80.4 81.2	167 452	18621 TGT	.0	•0	•0	14.3	57.1 62	28.6 24	86 83	130

FEBRUARY

PERIOD: (PRIMARY) 1913-1973 (OVER-ALL) 1857-1973

TABLE 17

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE DECURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

LIR-SEA	73	77	81	85	89	TOT	H	WD
TAP DIF	76	80	84	88	92		FOG	£0G
9/10	.0	.0	.0	.0		1	.0	.8
7/9	.0	•0	.0	.0	. 8	1	.0	.8
4	. 0	.0	. 8	. 6	.0	2	.0	1.5
3	.0	•0	. 0	. 8	٠.٥	ī		. 0
3 2 1 0	.0	.0	6.0		• 0	9	•0	6.8
ī	.0	•0	9.0	1.5	.0	14	• 0	10.5
č	.0	3.8		2.3	.0	34	. 6	24.8
-1	.ò	4.5		.0	٠.	24	• 0	16.0
-2	.e	4.5	11.3	.0	.0	21	.0	15.3
-3	.0	6.0	3.8	.0	.0	13	• 0	9.8
-4	.5	3.5	. 8		.0	6	.0	4.5
-5	.0	1.5		, n	.0	5	. 0	3.8
-7/-8	.0	. 8		.0	. 3	ī	.0	. 8
-9/-10	. 8	.0	.c	.0	.0	ĭ	• 0	. 8
TOTAL	1		89	•	2	-	2	131
	-	33		6		133	_	
PCT	. 8	24.8	9.00	6.0	1.5	100.0	1.5	98.5

PERIOD: (DVER-ALL) 1963-1973

C

(

大は大学の

TABLE 18

PCT FRED OF WIND SPEED (FTS) AND DIPECTION VEPSUS SEA HEIGHTS (FT) N 22-33 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
24-32
33-40
41-48
49-60
61-70
71-86
TP-CT PCT 1-3 4-10 1.9 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 34-48 49-60 61-70 71-87 87-1-3 1-3 4-10 

PERIOD: (OVER-ALL) 1963-1973 FEBRUARY AREA 0004 NORTHWEST JAVA SEA

TABLE 18 (CONT) 3.65 106.66

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

1

				PC	T FREO C	סאוא או	SPEED	(KIS) AND DIRE	51104 A	5x2n2 2	EA MEIG	H12 (F1)			
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT	1-3	4-10	11-21	SH 22-33	34-47	48+	PCT	
<1	.0	.0	•0	.5	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-0	•0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	•0	2.6	-0	•0	•0	2 \$	
5-6	.0	.0	•0	.0	.0	.0	.0	۰0	٠,٥	.0	•0	• 0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	
8-9	٠.	.0	•0	.0	.0	.0	.0	, 9	.0	.0	.0	•0	.0	.0	
10-11	.0	.0	•0	-0	.0	.0	.0	.0	.0	٠.	.0	• • •	٠.	.0	
12	.0	.0	•0	•0	•0	.0	.0	.0	٠.	.0	.0	• 0	.0	.0	
13-16	٠.۵	.0	•0	•0	.0	.0	•0	•0	.0	.0	.0	•0	.0	.0	
17-19	.0	.0	•0	• 9	.0	.0	.0	.0	•0	.0	•0	•0	•0	.0	
20-22	.0	.0	•0	.0	•0	.0	.0	٠,	.0	.0	.0	•0	.0	.0	
23-25	.0	.0	•0	•0	•0	•0	.0	•0	.0	.0	.0	• C	.0	•0	
26-32	•0	•0	•0	•0	.0	•0	• >	•0	.0	•0	•0	•0	•0	•0	
33-40	.0	• 0	•0	-0	•0	•0	•0	•0	•0	•0	•0	•0	.0	.0	
41-48	.0	.0	•0	•0	•0	• 0	•0	۰,	.0	.0	•0	• • •	.0	•0	
49-60	.0	.0	•0	•0	•0	.0	.0	•0	•0	.0	•0	•0	.0	.0	
61-70	.c	.0	.0	•0	٠.	.0	.0	.0	.0	.0	•0	• 0	•0	.0	
71-86	.0	.0	•0	• 0	.0	.0	•0	•0	• 0	.0	•0	•0	.0	•0	
87+	.0	.0	• 0	•0	•0	٠٥	.0	,0	٠,	.0	•0	•0	.0	.5	
TOT PCT	.0	.0	•0	•0	.0	•0	•0	.0	•0	2.6	• 3	•0	.0	2.6	
											****				TOTAL
	1-3	4-10	11-21	¥22-33	34-67	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	PCT
HGT	1-3	-10						2.6	2.6	11021			•0	5.1	PCI
<1		7.1	0	•0	.0	٠.	0		17.3	3.2	•0	•0	.ŏ		
1-2 3-4	2.6	6.5	7.1	.0	••	.0	16.7	•0		5.8	•0	•0	.0	20.5	
5-6	.0	•.9	•0	.0	.0	•0	4.5	•0	:5	5.8	•0	•0	.0	6.4	
7	.0	.0	•0	.0	٥,	.0	.0	•0	.0	2.6	.0	.0	.0	2.6	
8-9	:0	.5	•0	•0	.0	.0	.0	.0	.0		.0	.0	.0	2.0	
10-11		.0	•0	•0	.0	.0	.0	•0	ŏ	.0	.0	.0			
12	.ö	.ŏ	•0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.ŏ	.ŏ	•0	.0	.0	:3	•0	.0	.5	:5	:5	.0			
17-19	.0	.ö	•0	•0	.5		.0	.0	.0	.0	.0	.0	.0	.0	
20-22	٠٥	ŏ	•0	.0	.0	.0	.0	ň	.0	.0	•0	.ŏ	.c	.0	
23-25	:ŏ	.0	.0	.0	.0	:0	.0	.0	.5	š	.0	.0	.0		
26-32		.ŏ	•0	.0						.0		.0	.0	٥٠	
33-40	.0		•0	.0	•0	.0	•0	ŏ	.0	.0	.0	.0	.0	.0	
41-48	·ŏ	.0	.0	•0	•0	٠;	č	č	.0		.0	.0	.ŏ	ě	
49-60	:0	.0	•0	•0	.0		.0	ŏ	.0	.0	•0	.0	.ŏ	.0	
61-70	:0	.0	•0	.0	• • • • • • • • • • • • • • • • • • • •	.5	.0	•0	.ŏ	ŏ	.0	.0	.ŏ	.0	
71-86	.ŏ	.0	•0	.0	.0	.č	.0	ă	.c	ě	.0	.0	.0		
87+	:0		•0	.0	.0	.0	.0	.0	.0	ě	.0	.0	.ŏ	.0	
TOT PCT	2.6	11.5	7.1	•0	30	.0	21.2	2.6	20.5	17.3		.0		41.0	97.4
101 -01				•••	10	••	****	210					•••	-1.00	

PERIUDI (OVER-ALL) 1950-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 12 13-16 17-19 20-22 23-25 20-32 33-40 MEAN HGT 2 4 3 3 3-4 8.5 5.1 1.7 1.7 .0 .0 5.1 13 22.0 87+ TOTAL 13.6 .0 .0 .0 .0 .0 5.1 11 5.1 37.3 3.4 .0 .0 .0 .0 8.5 29 1.7 1.7 .0 .0 .0 .0 .0000000000 ....... .0000000000 000000000 000000000 . . . . . . . . . . . .0000000000 0000000000 .000000000 0000000000 0000000000 .0000000000 0000000000 ........

 $\epsilon - \epsilon$ 

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.65 100.5E

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	OI FAT	N TYPE					STHER	WEATHER	PHEND	MENA	
MND CIP	RAIN	PAIN SHWR	PR7L	FRZG	чпиг	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FNG HD PCPN	FOG WO PCPN PAST HP	SMOKE	SPKAY BLWG DUST BLWG SNDW	NO SIG WEA
N	4.8	10.6	.0	.0	.0	.0	.0	15.3	.0	15.3	3.2	.0	.0	.0	67.2
NE	.0	4.9	.0	.0	.0	.0	.0	4.9	4.9	15.9	14.6	.0	.0	•0	59.8
E	.0	.0	.0	.0	.0	.0	. 0	.0	.0	31.3	•0	.0	•0	•0	68.8
ŠE	11.1	.0	.0	.0	.0	.0	.0	11.1	•0	27.8	.0	.0	.0	• 0	72.2
Š	22.0	.0	.0	.0	.0	.0		22.0	•0	22.0	.0	.0	•0	•0	62.0
Sw	8.9	8.1	.0	.0	•0	.0	.0	16.9	1.6	4.0	• 0	.0	•0	•0	78.2
w.	1.9	7.5	.0	.0	.0	.0	.0	9.3	5.6	.0	.0	.0	•0	•0	85.0
Nw	7.1	0.6	ě	·š		.0		13.7	1.9	4.7	.9	.0	·ŏ	.0	81.6
VAF			.ŏ	.ő			•0		•0	.0	.0	i	•0	•0	0,
CAUM	.0	٥٠	.0	.0	.,	, ŏ	.c	.ŏ	•0	5.9	.0	٥٠	.0		94.1
TOT PCT	5.8 225	6.2	.0	.0	.0	.0	.0	12.0	1.8	10.2	2.7	•0	•0	•0	75.6

TABLE 2

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RA; Shwr	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN FAST HOUR	THDR LTNG	FOG 40 PCPN	FOG WO PCPH PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.0 4.7 6.2 13.0	8.2 4.7 3.1 11.7	.0 .0	.0 .0 .0	.0	.0	.0 .0	10.2 12.5 9.2 24.7	2.0 1.4 1.5 1.3	.0 1.6 16.9 19.5	2.0 1.6 1.5 3.9	.0 .0	•0	.0 .0 .0	85.7 82.6 72.3 55.8
TOT PCT TOT OBSI	7.1 255	7.1	.8	•0	•0	•0	•0	14.9	1.6	10.6	2.4	•0	•0	•0	72.5

---- **-** -

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOLK

		WI	ND SPE	ED (KN	DTS)									(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FRFQ	MEAN G92	00	03	06	09	12	15	18	21
N	2.8	11.2	7.5	.0	.0	.0		16.5	7.2	17.7	20.0	10.4	14.0	15.9	40.0	23.0	17.4
NE	2.1	4.6	. 3	. 1	•0	.0		7.0	5.6	3.7	20.0	3.5	3.1	10.8	.0	10.0	8.1
Ε	1.6	1.6	.0	.1	.0	.0		3.3	4.7	•6	•0	5.7	2,2	5.5	10.0	2.0	1.7
SE	. 6	1.9	.0	.0	.0	.0		2.6	5.4	2.2	•0	.7	5.1	3.8	10.0	2.2	2.3
S	1.9	2.3	. 2	.0	.0	.0		4.4	4.9	2.2	•0	2.0	5.9	5.9	.0	6.5	4.7
Š'n	1.9	7.7	1.1	.0	ŏ	.0		10.7	6.7	14.3	20.0	10.7	12.5	8.5	20.0	10.0	8.1
W	2.7	13.1	1.4	.0	.0	.0		17.4	6.4	20.5	20.0	24.8	14.7	10.2	.0	16.1	16.7
Nw	3.6	20.0	9.2		.0	.0		28.8	7.5	29.8	20.0	35.4	31.6	23.3	20.0	21.2	33.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	• • •	•0	.0	و.	•0	• 0	.0	• 0
CALM	9.4							9.4	•0	9.0	.0	6.7	8.8	16.1	•0	8.9	7.0
TOT DBS	164	386	67	1	0	0	618		6.1	89	5	135	68	118	5	112	86
TOT PCT	26.5	62.5	10.8	. 2	•0	•0	•	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL OBS	PCT FREQ	MEAN SPD	0C 03	HDU! 06 09	(GHT) 12 15	18 21
ĸ	7.7	8.5	.3	.0	.0		16.5	7.2	17.8	11.6	16.9	20.6
NE	5.3	1.5	.2	.1	.0		7.0	5.6	4.5	4.1	10.4	9.2
€ _	2.8	.5	.0	.1	.0		3.3	4.7	. 5	4.6	5.7	1.9
ŠE	1.9	.7	.0	.0			2.6	5.4	2.1	2.2	4.1	2.3
<u> </u>	3.3	1.1	.0	•0	.0		4.4	4.9	2.1	3.3	5.7	3.7
Su.	5.9	4.5	. 2	.0	.0		10.7	6.7	14.0	11.3	8.9	9.2
¥"	11.3	5.6	.5	.0	.0		17.4	6.4	20.5	21.4	9.8	16.4
NW	13.9	14.0	. 9	.0	.0		20.8	7.5	29.3	34.1	23.2	26.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	•0	ō.	• 0
CALH	9.4			• •			9.4	.0	8.5	7.4	15.4	8.1
TOT DOS	279	225	13	1	0	618		6.1	94	203	123	198
TOT OCT	41 2	24 4	5 1		Ò		100 0		160.0	300 0	100 0	100 0

MARCH

PERIOD: (PRIMARY) 1913-1973 (GVER-ALL) 1860-1973

TARLE 4

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUP (CMT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	<b>-1</b> 0	11-21	22-33	34-47	48+	WEAR	FREG	OBS
60603	8.5	20.2	56.4	14.9	.0	.0	.0	6.8	100.0	94
06609	7.4	22.2	61.6	8.9	.0	.0	.0	5.6	.00.0	203
12615	15.4	17.9	60.2	6.5	.0	.0	.0	5.0	100.0	12,
18621	8.1	10.1	67.7	13.6	.5	.0	• • •	6.9	100.0	198
TUT	58	106	386	67	1	υ	Ü	0.1		613
PCT	9.4	17.2	62.5	10.8	. 2		.0		100.0	

TABLE 5

TABLE 6

P	CT PRE			CLOUD A		EIGHTHS)		:			REDUEN CURREN							
WND DIR	0-2	1.4	5-7	8 E nascd	TETAL PBS	COVER	000 149	150 299	300 599	600 999	1000	2306 3499	3500 4999	5000 6499	5500 7999	+000+	NH <b>&lt;</b> 5/8 ANY HGT	
N	4.0	5.3	6.1	6.1		5.2	.0	• •	. 9	1.1	2.7	, 4	.0	. 9	.0	٠,	15.4	
NE	1.3	2.4	3.7	. 5		4.7	•0	, 0	.0	• 0	2.7	. 3	.0	•0	• 0		5.1	
E	. ၁	1.9	.0	•0		3.0	• 0	• 0	.0	• 0	.0	.0	.0	• 0	•0		1.9	
ŠE	.0	٥.	2.1	•0		6.5	.0	. 6	.0	• 6	.0	1.1	. 0	•0	• 0	.0	1.1	
S	.0	2.1	1.3	.0		4.5	. 3	• 2	. ^	. 8		• >	.0	• 0	.0		2.7	
Ša	1.1	1.1	7.2	5.3		6.5	• 0	• 0		2.4	2.1	2.4	. 0	.3	•0		7.4	
¥	.0	2.1	7.2	2.1		5.0	• 6	.0		1.1	. 8	, 9	.0		•0		8.0	
NW	1.1	5.3	10.6	8 . 2		5.3	•0	. ^	1.3	2.1	4.4	1.1	. 0	. 3	•0		16.0	
VAR	. 0	.0	•0	.0		• 0	•0	. 0	.0	.0	.0	.0	.0	.0	• C		•0	
CALH	2.1	.0	8.5	1.1		5.)	•0	•0	. 0	•0	1.1	• 5	1.7	•0	• 5	.0	9.5	
TOT GAS	- 9	10	44	22	94	5.5	Ŏ	ň	ž	**	13	ě	1	• • •	- 3		63	94
TOT PCT	9.6	20.2	46.8	23.4	100.0		• 0	•0	7.1	7.4	13.8	5.4	1.1	2.1	• ŏ	•0	67.0	100.0

TABLE 7

DF SIMULTANEOUS DCCURRENCE (NH >4/3) AND VSBY (NM)

				VSBY (NH	13			
CEILING	● CR	■ DR	<ul><li>QR</li></ul>	<ul> <li>□ DR</li> </ul>	● OR	= OR	• OR	<ul> <li>DR</li> </ul>
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0		.0	.c	.0	.0	.0	.0
<ul> <li>DR &gt;5000</li> </ul>	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >3500	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3,1
<ul> <li>□R &gt;2000</li> </ul>	8.2	9.3	9.3	9.3	\$.3	9.3	9.3	9.3
<ul> <li>□R &gt;1000</li> </ul>	19.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7
■ DR >600	23.7	28.9	29.9	29.9	29.9	29.9	29.9	29.9
■ DR >300	24.7	29.9	32.0	32.0	32.0	32.0	32.0	32.0
■ DR >150	24.7	29.5	32.0	32.0	32.0	32.0	32.0	32.0
<ul> <li>DR &gt; 0</li> </ul>	24.7	29.9	32.0	32.0	32.0	32.0	32.0	32.0
TOTAL	24	26	31	41	3.1	31	31	31

TOTAL NUMBER OF DEST 97

PCT FPEG NH <5/81 68.0

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C 1 2 3 4 5 6 7 8 OBSCO TOTAL
1.0 9.8 30.4 17.6 8.8 7.8 7.8 4.9 11.8 .0 102

PERIOD: (PRIMARY) 1913-1973 (DVEK-ALL) 1860-1973

TABLE 8

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

				PREC	PITAT	TON MI.	Th VAR	YING V	ALUES :	OF VIS	IBILIT	Y	
VSBY (KF)		N	NE	ε	SE	s	Sw	Ħ	NW	VAR	CALM	PCT	TOTAL
	PLP	.0	٠,٥	.0	•0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	• 0	.0	
	TOT %	.0	.0	.0	•0	•0	•0	.0	.0	.0	.0	.0	
	PCP	٠.	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	•0	• 5	.0	•0	.0	•0	.0	
	TOT %	۰.	٠.	•0	.0	•0	•0	•0	.0	.0	•0	.0	
	PCP	٠.	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
<2	NO PCP	.0	.0	.0	• 0	• 0	•0	.0	•0	.0	•0	.0	
	TOT %	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	.0	
	PCP	.6	.0	.0	.0	•0	.4	.0	.8	.0	•0	1.6	
2<5	NO PCP	•0	.4	•0	•0	•0	•0	•0	•0	•0	•0	.4	
	TOT %	.6	. 4	•0	.0	•0	.4	•0	.8	•0	•0	2.2	
	PCP	7.7	.4	.0	.0	.9	1.8	.7	1.6	.0	•0	7.6	
5<10	NO PCP	4.0	3.6	2.0	.4	1.3	5.4	5.4	7.3	.0	2.2	33.8	
	TOT %	4.5	4.0	5.0	.4	2.2	7.2	6.1	8.9	.0	2 • 2	41.3	
	PEP	.4	.0	.0	.4	.2	• i	4	.9	٠,	•0	2.7	
10+	NO PCP	11.8	4.7	1.6	3.1	3.0	6.0	5.3	13.0	.0	5.3	53.8	
	TOT %	12.2	4.7	1.6	3.6	3.3	6.1	5,8	13.9	.0	5.3	56.4	

TOT DBS TOT PCT 21.0 9.1 3.6 4.0 5.6 13.8 11.9 23.6 .0 7.6 100.0

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

				•	MITP V	ARYING	VALUE	5 UF V	ISIBIL	ITY			
VSBY (NH)	SPD KTS	N	NE	E	SE	\$	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	, č		.o	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		Ö	
	TOT \$	.0	•0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.c	.0	.0	. >	.0	۰.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	٠,	.3	.0		.3	
	11-21	.0	.0	.0	. e	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	•0	•0	.0	•0	.0	•0	. 3	.0	•0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1 < 2	4-10	•0	•0	•0	.0	•0	.0	.0	.0	.0		•0	
	11-71	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	• 0	.0	.0	.0	.0	.0	.0		.0	
	16T #	-0	•0	•0	•0	•0	.0	.0	.0	•0	•0	.0	
	0-3	.0	.3	.0	.0	.0	.0	.0	.3	.0	.3		
2<5	4-10	• 1	•0	•0	•0	•0	.3	-1	.3	.0		. 6	
	11-21	. 2	.0	•0	•0	•0	.0	.0	.3	.0		.5	
	22+	-0	.0	•0	.0	.0	.0	.0	, O	.0		.0	
	10T %	.3	.3	•0	•0	.0	.3	.1	.9	.0	.3	2.2	
	0-3	1.2	.7	.5	.0	,5	.3	.3	.5	.0	1.4	5.5	
5<10		3.8	1.9	.7	.3		3.5	3.6	4.5	.0		19.1	
	11-21	.4	•0	•0	•0	•0	1.0	.1	1.5	.0		3.0	
	22+	.0	.0	•0	•0	.0	.0	.0	.0	.0		•0	
	TOT %	5.5	2.6	1.2	.3	1.4	4.7	4.0	6.6	•0	1.4	27.6	
	0-3	1.2	1.1	.7	.4	1.9	1.5	1.2	1.2	.0	7.7	16.9	
10+	4-10	9.4	3.6	1.2	1.8	2.0	6.2	7.7	16.1	.0		48.1	
	11-21	1.2	.3	.0	.0	. 3	.4	•7	2.0	.0		4,9	
	22+	.0	•0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	11.9	5.1	1.9	3.2	4.2	8.1	9.6	19.3	.0	7.7	49,9	
	TOT DES												366
	TOT PCT	17.7	7.9	3.1	2.5	5.6	13.1	13.7	27.0	.0	7.3	100.0	

PAGE 252

(

HARCH

PERIOD: (PRIMARY) 1913-1973 (OVER-ALL) 1860-1973

TABLE 10

AREA 0004 NORTHNEST JAVA SEA 3,65 106.5E

PERCENT	FREQUENCY D	F CFILIN	G HEIGHTS	(FEET, NH	>4/81	AND
	OCCUP®:	ENCE DE I	UM /4/8 4	O MOUR		

DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	190 299	300 599	600 999	1000 1 <b>9</b> 99	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	.0	3.4	10.3	10.3	10.3	3.4	3.4	.0	.0	41.4	58.6	29
90360	.0	.0	.0	15.0	15.0	5.0	.0	5.0	.0	.0	40.0	60.0	20
12615	.0	.0	.0	•0	14.3	7.1	.0	.0	.0	•0	21.4	78.6	28
18621	.0	.0	4.3	4.3	13.0	•0	.0	.0	.0	•0	21.7	78.3	23
TOT	0	.0	2.0	7.0	13.0	6.0	1.0	2.0	.0	.0	31 31.0	69 69•0	100

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	/ JSBY	(Nh)	BY HOUR		CUMULAT					VSBY (NA)	
HOUR (GMT)	<1/2	1/2<1	1 < 2	2 < 5	5<10	10+	TOTAL CBS	HOUR (SHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OB\$
00203	.0	.0	.c	6.1	19.7	74.2	66	00803	.0	3.4	17.2	27.6	55.2	29
90360	.0	.0	.0	.0	33.6	66.4	107	06£09	•0	.0	15.8	26.3	57.9	19
12615	.0	.0	•0	1.1	27.7	71.3	94	12615	•0	•0	.0	22.2	77'.8	27
18821	.0	.8	.0	2.3	35.2	61.7	128	18621	.0	4.5	9.1	13.6	77.3	22
TOT	0	1	0	. 8	120		395	TGT	0	2 2	10	22	65	97

TABLE 13

TABLE 14

	PERC	ENT FRI	EQUENCY	OF R	ELATIV	E H!!MI!	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70~79	89-05	90-100	TOTAL	FREQ	N	ME	5	SE	S	SW	4	NW	VAR	CALM
90/94	.0	.0	•0	•0	. 4	.0	.0	.0	1	•6	.0	.6	.0	.0	٠.	.0	۰.	.0	٠,0	. ა
85/89	.0	.0	.0	.0	1.2	1.8	1.8	1.2	10	•.1	1.2	.0	.6	٠.	.;	. 5	.5	. 8	.0	2.4
80/84	.0	.0	.0	.0	.0	20.6	53.9	10.3	140	84.8	20.2	8.2	2.9	2.7	5.9	9.2	8.5	20,6	.0	6.7
75/79	.0	.0	•0	.0	.0	. 6	1.8	6.1	14	8.5	. 6	•0	•0	.0	. 5	2.7	2.9	1.7	.0	.0
TOTAL	Ö	٥	0	U	3	38	95	29	165	100.0										
PCT	.0	0.	•0	•0	1.8	23.0	57.6	17.6			22.1	8.8	3.5	2.7	6.4	12.6	15.8	23.0	•0	5.1

TABLE 15

TABLE 16

	HEANS,	EXTREM	S AND	PFRCEN	ITILES	OP TE	4P (DE	G F) C	Y HBUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGINU	BY HOUS	t
NGUR (GMT)	MAX	99x	95%	50%	5%	1%	HIN	MEAH	TOTAL DBS	HOUR (GPT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	90	86	84	81	78	76	76	\$1.1	97	00203	.0	.0	•0	23.5	61.8	14.7	84	34
90360	92	90	38	63	79	77	76	83.2	214	06609	•0	•0	10.0	30.0	50.0	10.0	81	50
12615	86	85	85	82	79	77	77	81.9	126	12615	•0	•0	•0	29.2	50.0	20.5	84	48
18621	84	83	63	81	77	76	76	10.7	208	18221	.0	.0	•0	10.0	65.0	25.0	87	60
TOT	92	89	66	82	78	76	76	81.0	645	TOT	٥	0	5	43	109	35	84	192

PERIOD: (PRIMARY) 1913-1973 (OVEP-ALL) 1660-1973

TABLE 17

APEA OCO4 HORTHWEST JAVA SEA 3.65 106.56

PCT	FRFC	ΩF	AIR	TEMPERATURE (DEG	F3	AND T	HE	SCCURRENCE OF FOG (WITHOUT PRECIPITATION)	
				VS AIR-SEA	TE	HPEPAT	UR	DIFFERENCE (DEG F)	

AIR-SEA	73	77	eı	85	89	TOT	Ħ	40
THP DIF	76	80	84	8.8	92		FOG	FEG
5	.0	•0	.5	. 5	. 5	3	•0	1.6
	.0	.0	1.0	. 5	.0	3	.0	1.6
3	.0	•0	1.6	. 5	.0	4	•0	2.1
3 2	.0	•0	2.0	1.0	.0	7	•0	3.6
1	.0	.0	7.3	2,6	.0	19	. 5	9.4
ō	.0	2.1	10.4	2.6	.0	29	1.6	13.5
-i	.0	3.1	13.C	1.6	.0	34	•0	17.7
-2	.c	3.6	14.6	.0	.0	35	.5	17.7
-š	.0	5.2	e.3	.0	-0	26	. 5	13.0
-4	. 5	5.2	4.2	. 0	٠.	19	•0	9.9
-5	. 5	3.1	.5	ě	.0	6	.0	4.2
~5	.0	1.0	1.0		.0	4	.0	2.1
-7/-8		•0	.5	ė	.0	i		.5
TOTAL	2	• •	126	••	1	•	6	186
	•	45		18	-	192	•	•••
PCT	1.0		65.6	9.4	.5	100.0	3.1	96.9

PERIOD: (OVER-ALL) 1963-1973

(

TABLE 18

				PC	T FREC D	F WIND	SPEED	(KT\$)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)	1	
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4=10	11-21	NE 22-33	34-47	48+	PCT
<1	2.9	7.7	•0	•0	.0	.0	10.6		1.0	1.9	.0	•0	•0	.0	2.9
1-2	.0	9.1	1.4	.0	•0	.0	10.6		• 0	.5	.0	.0	•0	.0	.5
3-4	.0	1.4	4.8	.0	.0	•0	6.3		•0	.5	. 5	.0	•0	•0	1.0
5-6	.0	.0	•0	.0	•0	.0	•0		•0	•0	.0	.0	•0	•0	.0
7	.0	.0	.0	•0	.0	•0	•0		•0	•0	.0	.0	•0	•0	•0
8-9	•0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	•0	•0
10-11	٠.	.0	.0	.0	.0	•0	.0		.0	.0	.0	-0	•0	•0	•0
12	٠.	.0	•0	.0	.0	.0	•0		•0	•0	.0	.0	•0	•0	• 0
13-16	.0	.0	•0	.0	.0	•0	.0		•0	•0	.0	.0	•0	.0	• 0
17-19	•0	. ၁	.0		٠.	.0	•0		•0	. 0	• • • •	. 2	• 0	.0	.0
20-22	.0	.0	•0	.0	•0	•0	.0		•0	•0	.0	.0	•0	.0	•0
23-25	.0	.0	•0	.0	a.	.0	.0		.0	.0	.0	.0	•0	•0	.0
26-32	٠.	.0	•0	.0	.0	.0	.0		•0	.0	.0	.0	•0	•0	•0
33-40	.0	.0	•0	.0	•0	.0	.0		.0	.0	.0	.0	•0	•0	•0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	•0	•0
49-60	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	•0	•0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	•0	
71-86	.0	.0	.0	• 0	.0	.0	.0		.0	.0	.0	.0	• 0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	•0	•0
TOT PCT	2.9	18.3	6.3	•0	•0	•0	27.4		1.0	2.9	. 5	•0	•0	•0	4.3
				_											
	1-3			E								SE			
HGT		4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	<b>22</b> −33	34-47	40+	PCT
<1 1-2	•0	.0	•0	•0	•0	•0	0		•0	•0	•0	•0	•0	•0	•0
	٠,٥	1.9	•0	.0	•0	.0	1.9		•0	•0	•0	.0	•0	•0	•0
3-4 5-6	•0	.0	•0	•0	.0	•0	•0		•0	•0	•0	.0	•0	٠0	•0
7	.0	.0	•0	•0	•0	•0	.0		•0	.0	•0	.0	•0	•0	•0
8-9	.0	٠.	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	٠0	•0
10-11	.0	.0	•0	•0	.0	•0	•0		•¢	•0	.0	•0	•0	.0	•0
10-11			• ?	•0	•0	•0	•0		•0	•0	.0	•0	•0	٠0	•0
12 13-10	.0	.0	•0	•0	.0	•0	•0		•0	.0	.0	•0	•0	•0	•0
	.0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	•0	•0
17-19	.0	-0	•0	•0	•0	•0	•0		•0	• 0	•0	•0	•0	•0	•0
20-22	.0	.0	.0	•0	•0	۰,0	•0		*ů	•0	•0	•0	•0	•0	•0
23-25	٠.	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
26-32	•0	.0	•0	.0	.0	.0	•0		•0	•0	.0	•0	•0	•0	•0
33-40	.0	.0	•0	•0	•0	•0	•0		•0	:0	•0	•0	•0	•0	•0
41-48	.0	.0	•0	.0	•0	.0	•0		•0	•0	.0	.0	•0	•0	•0
49-60	٠.	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0
61-70	•0	.0	•0	.0	•0	•0	.0		•0	•0	.0	•0	•0	٠,0	•0
71-86	•0	.0	•0	.0	•0	•0	•0		•0	•0	.0	.0	•0	.0	•0
87+	٠.	.0	•0	•0	.0	.0	.0		•0	•0	•0	•0	•0	.0	•0
FOT DET	. 0	1.0	. 0	. ^		. ^	1.0		- 0	٠.	. ^		- ^	^	

000.00			1963-1	073				MARCH				AREA	0004	NDD TU	er 1474 F
PERIODI	LUAE	-4663	1463-1	713				TABLE 18 (CON1	<b>'</b>			ANEA	3.4	55 106	ST JAVA 5 .SE
				pr	T FRED	OF W140	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	FA HEIG	HTS (FT)			
HGT	1-3	4-10		5 22-33	34-47	48+	PC♥	1=3	4-10	11-21	S₩ 22=33	34-47	45+	PCT	
		0	11-21	.0	.0	0		1.9	2.4	.0	.0				
<1	•0		•0			.0			10.1			•0	٠,	4.3	
1-2 3-4	.0	1.4	•0	.0	:0	.0	1.4	.0	4.8	.0	.0	•0	•0	10.1	
5-6	.0	.0	•0	.0	.0	.0	.0	.0	7.5	.0	.0	.ŭ	.0	4.8	
7	.0	.0		.5	.0	.0	.0	.0	:5	.0	.0	.0	.0	•0	
8-9	:0	.0	•0	.0	.0		:0	•0	ő	.0	.0	•0	.0	*0	
10-11	.0	.0	.0	.0	.0	.0		.0	ő	.0	.0	• 0	.0	•0	
12	.0	0.		.0	.0	.0	.0	•0	:0	.0	.,	•0	.0	•0	
13-16		.0	•0	.0	.5	.0	ě		.ŏ	.0	.,	.0	.5	•0	
17-19	č	.ŏ	•0	.0	.0		.0	ő	.ŏ	.0	:0	•0	.0	.0	
20-22	.0	.0	.0	.,	.0	.0	.0	.0		.0	.5	•0	٠٥	.0	
23-25	.0	.ŏ	•0	.0	.0	·ŏ	ŏ	ž	ŏ	.ŏ	.0	ŏ	.0	•0	
26-32	č	.0	.0	٠.	.5		.0	.5	ě	.5	.0	.0		•0	
33-40	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	•0	•0	.0	•0	
41-48	.0	:0	•0	.0	.0	.0	ě	.0	ő	.0	.0	.0	•0	.0	
49-60	.0	.0	2.	.0	.6			.0	č			.0	.0		
61-70	:0	.0	.0	.0	.0	.5	.0	ŏ	č				٠٥	.0	
71-86	.0	.0	.0	.0	.0	.6	.0	.0	.0	•0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	ĕ	.0	.0	.0	.5	.0	.0	•0	
TOT PCT	.0	1.4	ň	.ŏ	.0	.ŏ	1.4	1.9	17.3	.0	.č	.0		19.2	
				w							N#				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.c	4	•0	.0	.e	• 2	1.4	•0	.0	.0	•0	•0	.0	.0	
1	**	1 0				- 0	1.0	1.0	15.4					17.	

1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-40 41-68 49-60 61-70 71-88 87-1.9 15.4 1.9 17.8 1.9 88.5

PERIOD: (DVEF-ALL) 1950-1973

TABLE 19

PPRCENT FREQUENCY OF WAVE HEIGHT (FT) VS HAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
<6	16.5	31.6	15.2	1.3	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	2
6-7	•0	1.3	7.6	2.5	.0	.0	•0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	. 0	.0	•	3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	٠,	.0	.0	0	
12-13	.0	.0	.0	.0	٠.	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	٠.	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	, c	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	17.7	5.1	1.3	.0	٠.	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	0	.0	.0	19	1
TOTAL	27	30	19	3	0	0	0	0	٥	0	0	0	0	0	0	0	Ó	Ö	0	79	2
PCT	34.2	38.0	24.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0	

€ €

TABLE 1

AREA 0004 NDF HEST JAVA SEA 3.65 106.6E

## PERCENT FREQUENCY OF MEATHER OCCURRENCE BY MIND DIRECTION

			P	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
HND DIR	RAIN	RAIN Shwr	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT UB TIME	PCPN PAST HOUR	THDR LTNG	FOG #0 PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG OUST BLWG SNOW	NO SIG WEA
N	.0	7.7	.0	.0	.0	.0	.0	7.7	•6	7.7	15.4	.0	.0	.0	69.2
NE	4.8	4.8	4.8	.0	•0	.0	• C	14.3	•0	14.3	.0	.0	•0	.0	71.4
E	4.3	4.3	.0	.0	.0	.0	.0	8.7	3,3	7.6	.0	ò	.0	.0	80.4
ŠĒ	.0	5.0	.0	.0	•0	.0	3.3	8.3	. 8	4.2		ŏ	.0	ŏ	86.7
S	3.6	5.4	.0	.0	.0	.0	.0	9.0	•0	3.6	.0	.0	•0	•0	87.4
5₩	.0	.0	.0	.0	.0	.0	.0	.0	1.7	13.8	3.4	ŏ	•0	.0	81.0
W	.0	5.7	.0	.0	•0	.0	.0	5.7	5.7	.0	3.8	.0	•0	ě	84.9
Nw	15.4	3.6	.0	.0	.0	.0	.0	19.2	15.4	.0	0	.0		ěŏ	65.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	ěŏ	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	•0	10.0	.0	.0	•0	.0	90.0
TOT PCT	2.5 159	4.4	.6	.0	•0	•0	.6	8.2	1.9	6.9	1.9	•0	•0	.0	81.1

YARLE 2

PERCENT	FREQUENCY	0#	WEATHER	OCCURRENCE	BY	HGUR	
	,	-		DECORRENCE		HOUR	

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HEUP (GMT)	RAIN	RAIN Shwr	DRZŁ	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HDUR	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
E0300	2 .8	5.6	.0	.0	٠.	•0	.0	8.3	5.6	.0			•0	•0	86.1
90360	4.3	4.3	.0	.0	٠0	.0	2.2	10.9	4.3	4.3	.0	.0	•0	.0	80.4
12615	.0	2.1	2.1	.0	.0	.0	. C	4.3	•0	6.4	2.1	.0	•0	.0	87.2
18621	3.7	9.3	.0	.0	•0	.0	.0	13.0	•0	14.8	5.6	.0	.0	•0	66.7
TOT PCT	2.7	5.5	.5	.0	.0	.0	.5	9.3	2.2	7.1	2.2	•0	•0	•0	79.2

TAPLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-31		48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HL	(GMT) 12	15	18	51
N	1.1	3.0	.9	.0	.0	.0		5.1	7,2	8.6	•0	6.5	3.3	4.4	.0	4.0	4.2
NE	1.3	5.9	.9	•0	•0	•0		8.0	6.9	7.1	11.1	7.3	3.3	7.7	10.0	12.6	8.3
E	4.5	10.8	1.6	.2	•0	.0		17.1	6.2	10.7	16.7	16.3	18.3	17.0	20.0	17.5	23.2
SE	2.7	12.6	1.4	. 1	.0	٠.		16.9	6.6	14.3	22.2			23.1	•0		14.1
S	1.9	7.1	1.8	.1	.0	.0		10.8	7.1	10.0	5.6	8.3	12.5	12.1	30.0		
Sw	2.9	7.2	1.8	. 2	•0	.0		12.1	7.0	11.1	+0		15.8	13.2	20.0		
W	1.1	7.0	1.0	.2	.0	.0		9.3	7.8	12.1					7.5	7.5	10.6
NW	1.5	6.2	. 9	.0	.0	•0		8.6	6.8	14.6	8.3				2.5		12.7
VAR	.0	•0	.0	.0	.0	•0		.0	1.0	40				•0			
CALM	11.9							11.9	.0	11.4			16.7	15.4	10.0		
TOT Das	154	315	55	4	0	٥	528	••••	6.0	70	****			91	10	87	71
TOT PCT	29.2	59.7	10.4	.8	•0	•0		100.0			100.0	100.0					

TABLE 3A

WPD DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HBU! 06 09	(GMT)	18 21
N HE E S S S W W NW VAR CALM	2.4 4.5 11.2 10.2 6.1 6.5 4.2 4.9	2.7 3.1 5.4 6.1 4.5 5.4 4.5 3.3	.G .4 .6 .3 .3 .6	•0	000000000		5.1 8.0 17.1 16.9 10.8 12.1 9.3 8.6	7.2 6.9 6.2 6.6 7.1 7.0 7.8 6.8	7.6 7.6 11.4 15.2 9.5 9.8 13.6 13.6	5.5 6.1 17.0 15.4 9.6 14.1 10.5 8.7	4.0 7.9 17.3 20.8 13.9 13.9 4.5 3.0	4.1 10.8 20.1 16.9 11.1 9.8 8.9 9.5
TOT ORS	327 61.9	155 35.0	16 3.0	•0	.0	528	100.0	6.0	79	190	101	158

APRIL

PERIOD: (PRIMARY) 1888-1971 (OVER-ALL) 1857-1971

TARLE 4

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				CHIM	SPEED (	KNOTSI			PCT	TOTAL
HปับR	ÇALM	1-3	4-10		22-33		48+	MEAN	FREQ	oes.
00603	11.4	16.5	62.0	8.9	1.3	.0	.0	5.9	100.0	79
06609	13.2	17.9	37.4	11.1	. 5	`. 0	. 0	0.1	100.0	190
12615	14.9	16.8	57.4	10.9	.0	.0	.0	5.6	100.0	101
18621	8.9	17.1	62.7	10.1	1.3	.0	.0		100.0	158
TOT	63	91	315	55		G		6.0		528
DCT	11.9	17.2	59.7	10.4			- 0		100 0	

TABLE 5

TABLE 6

P	CT FRE			LOUD A		(EIGHTHS) HEAN		I					CEILIN					
M.ID DIK	C-2	3-4	5-7	8 & 685CD	TETAL CB5	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6900 7999	8000+	NH <5/8 ANY HGT	
N	.0		4.7	1.4		6.5	.0	•0	.0	.0	2.7	.0	.0	.0	.0	. 0	1.4	
NE	1.4	6.8	2.7	1.4		4.1	•0	.0	.0	1.4	2.7	•0	.0	•0	• 0	.0	8.1	
E	7.1	1.4	6.4	1.4		4.2	•0	. 0	.0	1.4	2.7	•0	.0	• 0	.0	. 0	12.2	
SE	6.4	1.4	9.1	•0		4.0	•0	.0	.0	.0	٠.٥	.5	. 3	.0	•0	.0	16.6	
S	.0	3.7	4.7	6.8		6.1	•0	•0	.0	.0	4.1	1.4	1.0	•0	•0	1.4	7.4	
SW	.0	3.0	5.4	3.0		5.5	•0	• 0	. 0	1.4	3.0	1.4		•0	•0		5.7	
W	2.0	.0	5.1	3.7		5.8	•0	•0	1.4	.0	4.7	•0	.0	•0	•0		4.7	
NW	2.0	1.4	1.7	•0		3.3	•0	•0	.0		.3	• 6	.c	•0	•0		4.7	
VAR	.0	.0	• 0	• 0		•0	• 0	• 0	. 0	.0	.0	.0	.0		•0	.0	•0	
CALM	4.1	.0	4.1	• 0		3.8	.0	.0	. 6	.0	2.7	.0	.ŏ	•0	•0	.0	5.4	
TOT DAS	17	13	31	13	74		ĭŏ	70	ĭ	• 3	17	• • • •	• 1	• 0	• • • • • • • • • • • • • • • • • • • •	• • •	49	74
TOT PCT	23.0	17.6	41.9	17.6	100.0		• 0	• 0	1.4	4.1	23.0	2.7	1.4	•0	• 0	1.4	66.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DOCUMRENCE OF CEILING HEIGHT (NH )4/8) AND VSBV (NH)

				VSBY (NY	;)			
CEIL ING	■ OR	- DR	→ OR	- CR	• QR	• OR	= OR	• GR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
= fiR >5000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
<ul> <li>DR &gt;3500</li> </ul>	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3,9
■ DR >2000	5.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6
• OR >1000	23.7	27.6	28.9	28.9	28.9	28.9	28.9	28,9
● DR >600	26.3	31.6	32.9	32.9	32.9	32.9	32.9	32.9
■ DR >300	27.6	32.9	34.2	34.2	34.2	34.2	34.2	34.2
■ OR >150	27.6	32.9	34.2	34.2	34.2	34.2	34.2	34.2
• OR > 0	27.6	32.9	34.2	34.2	34.2	34.2	34.2	34.2
TOTAL	21	25	26	26	26	26	26	26

TOTAL NUMBER OF OBS: 76

PCT FREQ NH <5/E1 65.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 385C0 085 2.5 12.7 27.8 11.4 11.4 8.9 5.1 5.1 15.2 .0 79

n	۰	

PERIOD: (PRIMARY) 1688-1971		AREA 0004 NORTHWEST JAVA SEA
(OVER-ALL) 1857-1971	TABLE P	3.65 106.6E

		P	FRCENT	FREC PREC	OF WIN	D DIRECTION WIT	TION Y	VS DECI	JARENCI ALUES I	E OR N DF VIS	IBILIT	URRENC Y	E OF
VSBY (NH)		٨	NE	E	SE	s	Sw	W	Niw	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	٥.	.0	.0	.0	.0	
<1/2	NO PCP	. 0	.0	.0	.0	• 0	.0	.0	.c	.0	.0	.0	
	TOT %	.0	• 0	.0	.0	.0	•0	.0	•0	.0	.0	.0	
	PCP	.0	.0	.0	.0	۰,0	•0	•0	.0	.0	.0	.0	
1/2<1	NO PCP	• 0	٠.	.0	۰.	• 0	• 0	.0	• 0	.0	• 0	.0	
	TOT %	٠,	.0	• 0	• 0	•0	•0	.0	•0	•0	• 0	.0	
	PCP	.0	. ?	.0	.0	•0	• •	.0	.0	.0	•0	.0	
1<2	NO PCP	•c	•0	.0	• 0	•0	• 0	•0	•0	•0	• 0	.c	
	TOT %	.0	.0	•0	•0	•0	•0	•0	•0	•0	• 0	.0	
	PCP	.0	.0	.0	.0	•0	•0	.5	.2	.0	•0	. 5	
2<5	NO PCP	.0	.6	•0	.0	•0	• ?	.5	• 0	.0	•0	1.3	
	TOT %	.0	.6	.0	.0	•0	• ?	.9	.2	.0	•0	1.9	
	PCP	.0	.0	1.3	1.6	1.6	.0	.0	.6	.0	•0	5.0	
5<10	NO PCP	4.1	4.4	7.2	6.3	6.6	3.5	1.9	.6	.0	•0	29.6	
	TOT %	4.1	4.4	3.5	7.9	8.2	3.5	1.9	1.3	•0	•0	34.6	
	PCP	. 6	1.7	.0	.5	• 0	• 5	•0	• 0	.0	•0	2.5	
10+	NO PCP	3.5	6.3	11.0	11.0	9.3	5.5	5.5	2.7	.0	6.3	61.0	
	TOT %	4.1	8.2	11.0	11.0	9.3	5.5	5,5	2.7	.0	6.3	63.5	
	TOT 085												15
	TOT PCT	8.2	13.2	14.5	18.9	17.5	9.1	8.3	4.1	.0	6.3	100.0	

TABLE 9

								DIRECTION VS WIND SPEED ALUFS OF VISIBILITY											
VSBY (NH)	SPD KTS	N	NE	ε	Sξ	S	Sw	W	NW	VAR	CALM	PCT	TOTAL						
*****	0-3	.0	.0	.0	.0	.0	• 2	.0	٠.	.c	.0	.0							
<1/2	4-10	.0	.0	.0	.0	.0	.0	. 0	.0	.0		, o							
	11-21	.0	.0	.0	.0	.0	.0	. 0	٠	.0		.0							
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0							
	TOT &	•0	•0	•0	•0	.0	•0	.0	•0	.0	•0	.0							
	0-3	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4							
1/2<1	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0		.4							
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0							
	22+	.0	.0	.0	.0	.0	.0	.0	• 0	.0		.0							
	TOT %	.0	.0	•0	•0	•0	. 8	•0	.0	.0	•0	. 8							
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
1<2	4-10	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0							
	11-21	.0	• C	.0	• 0	.0	.0	.0	• ე	•0		.0							
	22+	•0	.0	.0	.0	•0	.0	.0	.0	.0		.0							
	TUT %	.0	.0	.0	•0	.c	.c	.0	.0	.0	•0	.0							
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4							
2<5	4-10	.0	.4	•0	•0	.0	- 1	.6	-1	.0		1.1							
	11-21	.0	•0	•0	.0	.0	•0	•0	.0	.0		.0							
	22+	•0	.0	•0	•0	•0	•0	•0	.0	•0		.0							
	TOT \$	.0	.4	•0	•0	.0	-1	.6	.1	.0	.4	1.5							
	0-3	.4	٠.	.0	. • 4	. 9	. &	. 2	. 2	.0	.4	2.7							
5<10	4-10	5.1	2.3	1.7	4.5	2.7	1.9	• 0	.9	.0		16.7							
	11-21	• •	. 4	-8	.2	1.3	.0	.4	.0	.0		3,4							
	22+	.0	.0	•0	.0	•0	.0	.0	.0	.0		0							
	TOT \$	2.8	2.7	2.5	5.1	4.9	2.1	1.1	1.1	•0	.4	22.7							
	0-3	1.1	1.7	3.2	1.5	1.3	2.7	. 9	1.:	.0	11.0	24.6							
10+	4-10	1.9	3.6	8.0	10.6	7.9	4.0	4.6	3.3	٠ç.		44.7							
	11-21	.0	. 8	• 4	1.7		1.7	٠,	. 4	.0		5.7							
	22+	.0	.0	.0	0	.0	.0	.0	• 0	.0		0							
	TOT %	3.0	6.3	.1.6	13.8	9.9	9.0	5.6	4.8	•0	11.0	75.0							
	OT OAS							• •		_			264						
,	OT PCT	5.9	9.3	14.0	16.9	14.9	11.9	7.3	6.1	•0	12.7	100.0							

PAGE 258

(

APRIL

PERIOD: (PRIMARY) 1888-1971 (UVER-ALI) 1857-1971

TABLE 10

AREA JOO4 NORTHWEST JAVA SEA 3.65 106.6E

PERCENT	FREQUENCY	nε	ÇF	IËING	HEIGHT	75	(FEET, NH	>4/8)	AND
	DCCU	96	ue E	DE N	4 /6/A		MINIO		

HGUR (GHT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	+9008	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	.0	41.2	.0	.0	.0	.0	•0	41.2	58.8	17
00300	.0	.0	.0	4.8	19.0	4.8	4.8	.0	.0	•C	33.3	66.7	21
12615	.0	.0	.0	4.3	13.0	4.3	4.3	.0	.0	•0	26.1	73.9	23
18621	.0	.0	5.9	5.9	17.6	.0	.0	.0	.0	5.9	35.3	64.7	17
TOT	0	0	. 1	. 3	17	2	2	0	9	. 1	26	57	78

TABLE 11

TABLE 12

		PERCENT	FREGLENC	4 VSB4	(84)	RY HOUR		CUMULAT					(MM) YARV RUCH YAKK	
HOUR (GMT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL CBS</th> <th>HDUR (GHT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL DBS</th>	2<5	5<10	10+	TOTAL CBS	HDUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
60300	.0	2.2	.0	4.3	21.7	71.7	46	60863	•0	.0	5,3	37.5	56.3	16
90360	.0	.0	.0	.0	26.7	73.3	75	90360	•0	.0	4.8	28.6	66.7	21
12615	.0	.0	•0	2.7	21.6	75.7	74	12615	•0	•0	6.7	21.7	69.6	23
18621	.0	1.1	.0	.0	31.2	67.7	93	18621	•0	6.3	12.5	25.0	62.5	16
TOT	0	2	0	. 4	75	207	788	TOT	0	, 1	, 6	221	49	76

TABLE 13

TABLE 14

	PERC	ENT FR	EONENC.	Y OF R	ELATIV	E HUMI	DI IY B	Y TEMP	7074			PERC	ENT FR	EQUENC	Y 0F W	IND DI	RECTIO	4 BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL DBS	PET FREQ	N	NE	E	5E	S	SW	*	NW	YAR	CALM
90/94	.0	.0	.0	. 9	.9	.0	.0	.0	2	1.7	.9	.0	.0	.0	.9	.0	.0	.0	.0	٠.
85/89	.0	.0	.0	.0	2.6	7.8	4.3	.0	18	15.7	2.2	1.3	1.7	3.9	.9	1.7	.0	1.3	.0	2.6
80/84	.0	.0	.0	•0	.9	28.7	42.6	7.8	92	80.0	6.5	11.3	9.6	3.9 18.3	14.3	6.1	6.7	2.8	•0	4.3
8C/84 75/79	.0					.0	2.6	.0	3	2.6	.0	. 9	. 9	.0	.0	. 2	.7	.0	•0	.0
	à	0	. 0	1	5	62	57		115	100.0										
PCT	•¢	.0	.0		4.3	36.5	47.5				9.6	13.5	12.2	22.2	15.7	8.0	7.8	4.1	•0	7.0

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCEN	TILES	GF TE	MP (DE	G 7) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIHU	BA HOR	t
HOUR (GHT)	PAX	99\$	95%	50%	5%	1 %	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	89-89	90-100	HEAN	TOTAL DBS
C0320	92 94	91 93	87 90	83 84	79 80	77 78	77 77	82.9	80 196	£0300	.0	2.8	13.7	57.1 30.6	33.3	9.5 5.6	81 78	21 36
12615 18621 TOT	90 87 94	88 86 91	86 84 88	83 82 83	80 78 79	78 76 77	7R 74 74	83.1 82.1 83.3	104 159 539	12615 18621 TOT	•0	.0	2.8 2.4 7	19.5	47.2 65.9	5.6 12.2 11	80 83 81	36 41 134

APRIL

PERIOD: (PRIMARY) 1888-1971 (OVER-ALL) 1857-1971

TABLE 17

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE DECURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	85	89	>92	101	W	WD
THP DIF	80	84	88	92	• • •		FÜG	FDG
7/8	٠.	.0	.0	.7	.0	1	•0	.7
6	.0	•0	.7	2.0	.0	4	•0	2.6
4	.0	•0	2.0	.7	.0	4	.0	2.6
3	.0	.0	1.3	.0	٠.	2	.0	1.3
4 3 2	.0	1.3	3.3	.7	.7	2 9	•0	6.0
1	.0	3.3	2.0	.0	.0		•0	5.3
0	.0	13.2	4.0	.0	.0	26	• 7	16.6
-1	.0	13.2	2.0	.0	.0	23	.0	15.2
-5	.7	17.9	.0	.0	.0	29	.7	17.9
-3	2.6	6.6	.0	.0	.0	14	.7	6.0
-4	4.0	7.9	.0	.0	.0	18	.7	11.3
-5	.0	4.0	.0	.0	.0	6	• 0	4.0
-6	.7	2.6	.0	.0	.0	5	. 0	3.2
-7/-8	1.3	.7	.0	.0	.0	à	. 0	2.0
TOTAL	14		23		1		4	147
	•	107		6		151		
PCT	9.3		15.2	4,0	.7	100.0	2.6	97.4

PERIOD: (OVER-ALL) 1963-1971

(

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) h,cT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 20-32 33-60 41-48 49-60 61-70 71-86 +9-00 FOR THE PROPERTY OF T 1-3 2.3 1-3 HGT
<1
1-2
3-4
5-0
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
41-68
49-00
61-70
71-86
47-70
TOT PCT 1-3 22-33 4-47 

PAGE 260

9

)

				_					APRIL							
PERIODI	(OVE	R-ALL)	1963-1	971				TABLE	18 (CDNT	3			AREA		NORTHWE	.GE JAVA SEA
				PC	T FREG	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	SEA HEIG	HTS (FT	<b>)</b>		
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	SW 22-33	34-47	41.	PCT	
<1	.0	.0	•0	.0	.5	•0	.0			2.3		•0	•0	.0	2.3	
1-2	2.3	8.5	.0	.0	.0	.0	10.8	ļ	2,3	2.3		•0	.0	.0	6.8	
3-4	.0	2.3	.0	•0	.0	•0	2.3	l	.0	•0	.0	.0	.0	•0	.0	
5-6	•0	.0	•0	.0	.0	•0	.0		•0	•0		.0	•0	.0	2.3	
.7.	•0	.0	•0	•0	•0	•0	٠0		•0	•0		•0	•0	•0	.0	
8-9	•0	.0	•0	•0	.0	•0	•0		•0	•0		.0	•0	.0	•0	
10-11	.0	•0	•0	• • • •	.0	•0	.0		•0	•0		.0	•0	•0	.0	
12	.0	.0	•0	•0	.0	•0	•0		•0	.0		•0	.o	.0	.0	
13-16 17-19	.0		0.0	.0	.0	•0	•0		.0	.0		٠,	.0	.0	.0	
20-22	ě	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0		.0	.0	.ŏ	.ŏ	.0		ŏ	.0		.ö	.0	ĕ	ě	
26-32	.0		.0	.0	.0	.0	.0		.0	ě			.0	.0	.0	
33-40	.ŏ	.5			.,	.0	.0		ŏ	. 0		:ŏ	.0	.0	.ŏ	
41-48	.0	.0	•0	•0	.0	•0	·ò		.0	.0		.0	.0	.0	•0	
49-60	.0	.0	•0	.0	.0	.0	.0		.0	.0		.0	• 0	.0	•0	
61-70	.0	• 0	•0	•0	.0	•0	.0	)	.0	•0	.0	•0	•0	.0	•0	
71-86	• 3	.0	•0	•0	.0	•0	.0	<b>)</b>	.0	•0		•0	•0	.0	.0	
87+	.0	.0	•0	•0	.0	• 0	•0		•0	.0		•0	•0	.0	•0	
TOT PCT	2.3	10.8	•0	•0	.c	• 0	13.1		2.2	4.5	4.5	•0	•0	•0	11.4	
												•				
нст	1-3	4-10	11-21	¥22-33	34-47	48+	PCT	,	1-3	4-10	11-21	NH 22-33	34-47	48+	PCT	TOTAL PCT
<1	0	5.7	.0	.0	.0	•0	5.7			1.1		.0	.0	.0	1.1	PG1
1-2	.0	4.0			.õ	.ŏ	4.0		٥	2,6			.0	.0	5.1	
3-4	ŏ	٠.٥	2.3		:ŏ	:3	2.3		ŏ			.ŏ	ě	:ŏ		
5-6	.0	.0	•0	.0	, ō	. 0			.0			.0	.0	, ŏ	.0	
7	.0	.0	.0	•0	.0	+0	.0		.0			.0	.0	.0	.0	
8-9	.0	.0	•0	.0	.0	•0	.0	,	.c	• 0		•0	•0	.0	•0	
10-11	.0	.0	.0	.0	.0	•0	.0	•	.0	.0		•0	•0	.0	.0	
12	.0	•0	•0	•0	.0	•0	.0		.0	.0		•0	•0	.0	.0	
13-16	.0	.0	•0	.0	.0	•0	•0		•0	• 0		.0	•0	.0	.0	
17-19	•0	•0	•0	.0	. 0	•0	•0		•0	.0		•0	•0	.0	•0	
20-22	•0	.0	•0	.0	.0	٠,	.0		• • •	• 0		•0	•0	.0	.0	
23-25	٠.	•0	•0	.0	.0	-0	•0		•0			•0	•0	.0	•0	
26+32 33-40	.0	•0	•0	.0	٥.	•0	•0		.0	.0		.0	•0	.0	.0	
41-48	.0	.0	•0	.0	.0	.0	.0		.0	:0		.0	.0	.0	.0	
49-60	.0	.0	•0	.0	.0	.0	.0		.0			.0	•0	.0	.0	
61-70	ŏ	.0		.0	.0	.0	.0		.0			.0	•0	.0	.0	
71-86	ě	.0	.0	.0	.0	.0	.0		ŏ			.0	•0	.ŏ		
67+	.0	.0	.0		.ŏ	.0	.0		ŏ			.0	•0	.ŏ	•0	
TOT PCT	.0	9.7	2.3			.0	11.9		.0	4.0		.0	•0	.0	6.3	45.5
							-									

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(F1)		
нет	0-3	4-10	11-21	22-33	34+47	48+	PCT	10T
<1	6.5	15.2	.0	.0	.0	.0	21.7	
1-2	8.7	45.7	10.9	ō	•0	.0	65.2	
3-4	.0	8.7	2.2	.0	.0	.0	10.9	
5-6	.0	•0	2.2	.0	.0	.0	2.2	
7	.ŏ	.0	c	ŏ	.0	.0	5	
8-9	.ŏ	.0	.ŏ	ō	.0	.0	.ŏ	
10-11	.0		.0	ő	.0	.0	.0	
12	.ŏ			.0	.0	.0	.0	
13-16	.0			.0	•0	.0		
17-19	.0	.0		.0	.0			
20-22	.ŏ	.0		ŏ	.5		ĕ	
23-25	.ŏ	.0	.0	.0	.0	.0	.5	
26-32	.0	.0	.0	ě	.ŏ	.0	.ŏ	
33-40	ő		:0		ŏ	.0	.0	
41-48		•0		•0	.0			
	.0	•0	.0	•0		•0	.0	
49-60	•0	.0	•0	•0	•0	.0	•0	
61-70	.0	•0	•0	•0	•0	•0	.0	
71-66	•0	.0	٠.	.0	.0	•0	•0	
87+	٠٥.	•0	.0	.0	.0	.0	.0	
								46
TOT PCT	15.2	49.6	15.2	.0	•0	.0	100.0	

## PEPCENT PROQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
NND DIR	ZAIN	RAIN SHWR	PR7L	FRZG PCPN	cHOM	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDK LTNG	FOG WO PCPN	FUG WO PCPN PAST HR	SHOK E	SPRAY RLWG DUST RLWG SNOW	
N	40.0	.0	.0	٠.	.0	.0	.0	40.0	.0	33.3	٠.	.0	.0	•0	40.0
NE	2.4	2.4	.0	.0	.0	.0	.0	4.8	•0	2.4	.0	•0	•0	•0	95.2
E	2.7	5.9	.0	.0	.0	•0	.0	8.7	3.2	6.4	.0	•0	•0	• 0	83.6
SE	1.4	.7	.0	•0	•0	۰٥	• C	2.2	3,6	10.1	.0	.0	• 0	.0	54.1
Ś	2.9	.0	3.8	.0	.0	.0		6.7	•0	7.7	•0	•0	• 0	• 0	85.6
Sw	6.1	24.5	.0	.0	.0	.0	٠Ċ	30.6	16.3	.0	• 0	.0	•0	• 0	53.1
W	38.5	.0	.0	.0	.0	•0	.0	38.5	.0	15.4	•0	.0	• 0	• 0	46.2
Nw	.0	. 5	.0	.0	.0	.0	•0	•0	•0	11.1	• 5	.0	•0		88.9
VAR	.0	.0	.0	. 0	• 5	.0	•0	.0	•0	.0	.0	.0	• 0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	•0	8.3	.5	.0	•0		91.7
TOT PCT	4.6	4.0	.6	.0	•0	.0	.c	9.2	2.9	7.5	•0	•0	•0	•0	61.5

TABLE 2

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY MOUR

			P	RECIPI	TATIO	TYPE					STHER	WEATHER	FHEND	HENA	
HCUR (GMT)	RAIN	PAIN Shwr	DRZL	FRZG PCPN	SNOW	OTHER FRIN PCPM	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LYNG	FOG HO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY RLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	7.3 5.7 4.9 6.3	4.9 5.7 2.4 3.2	.0 2.4 .0	.0	.0 .0	.0	.0	12.2 11.4 9.6 9.5	2.4 5.7 2.4 1.6	.0 .0 12.2 12.7	.0	.0	•0	.0 .0 .0	65.4 82.9 78.0 77.8
TOT PCT	6.1 180	3.9	.6	.0	•0	.0	.0	10.6	2.5	7.2	•0	•0	•0	•0	80.6

TARLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPEE	C (KNB)	rs)								HOUR	(GHT)			
HND DIR	0-3			?2 <b>-</b> 33 3		48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	51
N	.7	2.3	.2	.0	,0	.0		3.1	6.1	4.3	•0	3.1	2.8	2.6	8.9	2.7	2.6
NE	2.0	6.7	.8	.0	.0	• 0		9.6	5,8	11.4	•0	5.0	3.7	5.4	10.7	16.9	15+6
E	3.0	19.7	3.3	٠.	.0	.0		26.0	7.2	26.2	45.0	25.2	28.7	27.7	25.0	23.9	24.7
SE	2.1	18.2	4.5	. 6	. C	.0		24.8	7.7	18.5	25.0	27.7	33.3	29.2	25.0	22.8	18.2
Š	2.1	8.4	1.1	.0	.0	.0		11.6	6.4	16.0	30.0	13.3	14.8	10.2	17.9	6.2	7.8
Šw	1.9	4.4	1.4		.0	.0		7.7	6.6	6.8	.0	12.3	8.3	4.5	3.6	6.5	6.5
W	.7	2.3	.7	.0	.0	.0		3.7	7.3	5.6	•0	3.8	.0	2.4	7.1	3.2	5.8
Ñ'n	. 9	1.6	. i	ž	.ŏ	.0		2.8	7.1	3.7	• 0		. 9	2.4	1.8	4.8	3.2
VAR	.0	0				.0			.0	.5	•0		.0	.0		.0	.0
CALM	10.6	•••	••	••	• • •	•••		10.6	ò	7.4	•0		7.4		•0		15.6
TOT CBS	129	342	65	1	0	0	537		6.3	0.1	• • •	130	54	83	14		*77
TOT PCT	24.0	63.7	12.1	. 2	•0	•0		100.0	• • • •	100.0	100.0		100.0				100.0

TABLE 34

WND DIR	0=6		SPEED 17-27	(KNCTS) 28-40	41+	TOTAL DBS	PCT FRE 3	MEAN SPO	00 03	HDU1 06 09	R (GHT) 12 15	18 21
N	1.9	1.2	.0	.0	. 0		3.1	6.1	4.1	3.0	3.4	2.6
NE	6.8	2.7		.0	:6		9.6	5.6	10.8	4.6	5.2	
E	12.0	13.7	.3	•0	.0		26.0	7.2	27.3	26.2	27.3	24.3
5 E	11.5	12.5	. 8	.0	.0		24.8	7.7	13.9	29.3	28.6	20.7
5	6.9	4.7	.0	•0	.0		11.6	6.4	16.9	13.7	11.3	6.9
Sw	4.8	2.7	.2	• 0	.0		7.7	6.6	6.4	11.1	4.4	6.5
W	1.7	2.0	.0	•0	.0		3.7	7.3	5.2	2,7	3.1	4.4
NW	1.7	. 9	.0	.2	.0		2.8	7.1	3.5	1.6	2.3	4.1
VAR	.0	.0	.0	.0	.0		.0	٠Ō	.0	.0	.0	•0
CALH	10.6						10.6	.0	7.0	7.6	13.4	14.1
TOT ORS	311	218	7	1	C	537		6.3	86	184	97	170
TOT BET	E2 0	40.4		ž	Ā		100 0		100.0	100 0	100 0	100.0

TARLE 4

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PERCENTAGE	FREQUENCY.	0#	WIND	SPEED	87	HOUR	(GHT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	7.0	16.3	65.1	10.5	1.2	.0	.0	6.7	100.0	86
90340	7.6	13.6	66.3	12.5	.0	.0	•0	6.4	100.0	184
12615	13.4	9.3	62.9	14.4	.0	.0	.0	6.1	100.0	97
1862.	14.1	14.1	60.6	11.2	.0	.0	.0	0.0	100.0	170
TOT	57	12	342	65	1	o	U	6.3		537
PCT	10.6	13.4	63.7	12.1	. 2	•0	.0		100.0	

TARLE 5

TABLE 6

PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS) By Wind Direction Mean							1					CEILIN NH <5/						
WND DIR	0-2	3-4	5-7	8 &	TCTAL CB5	MEAN CLOUD COVER	000 149	150 290	300 999	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	800n÷	NH <5/8 ANY HGT	
N	.0	1.0	.0	1.3		5.8	•0	•0	.0	.0	1.3	.0	.0	•0	.0	.0	1.0	
NE	. 7	2.0	4.3	.3		5.1	•0	.0	.0	.0	. 7	.0	.0	•0	.0	. 0	6.7	
F	6.7	8.7	10.0	3.3		4.4	•0	•0	٥	1.3	4.3	, c	.c	•0	.0	.0	23.0	
ŠE	6.0	8.7	12.7	1.7		4.7	iò	.0	.0	1.3	4.3	1.3	.0	•0	.0		22.0	
Č.	1.3	6.0	8,3	.0		4.8	•0	•0	٠,	1.0	2.7	1.0	.0	•0	.0	.0	11.0	
ŠW	.0	2.7	4.7	2.7		6.1	ě	•0	Ö	.3	2.7	.3		•0	•0	.0	6.7	
v.	.0		.0			8.0	• • •	• 0		-0	1.3	.0		•0	•0	.0	•0	
มีพ	.ŏ	.3	•0	0		3.0	.0	٠٥	.0	.0		.0	č	•ŏ	.0	.0	.3	
VÄR	.0			.0			• 6		٠.	ě		•0	ě	ě	.0		.0	
			.0			• 0	-	•0	٠.							•0		
CALM	1.3	1.3	1.3	1.3		5.0	•0	• 0	•0	2.7	.0	•0	•0	•0	٠.	•0	2.7	
TOT OBS	12	23	31	9	75	4.9	0	0	0	5	13	2	0	0	0	0	55	75
TOT PCT	16.0	30.7	41.3	12.0	100.0		•0	•0	.0	6.7	17.3	2.7	.0	•0	•0	•0	73.3	100.0

YABLE 7

CUMULATIVE	PCT FRED	OF SIMULTANEOU	S DCCURFENCE
		(NH 34/8) AND	

				VSBY (MH	1)			
CEILING	■ CR	• DR	• OR	• DR	e DR	- OR	= OR	- GR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ nR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• FR >5000	.0	.0	.0	.0	.0	.0	.0	.0
- OR >3500	.0	.0	.0	.0	.0	.c	.0	.0
■ DR >2000	1.3	2,6	2.6	2.6	2.6	2.6	2.6	2.6
. DR >1000	13.2	17.1	19.7	19.7	19.7	19.7	19.7	19.7
• CR >600	18.4	25.0	27.6	27.6	27.5	27.6	27.6	27.6
● DR >300	18.4	25.0	27.6	27.6	27.6	27.6	27.6	27.6
• DR >150	18.4	25.0	27.6	27.6	27.5	27.6	27.6	27.6
• UR > 0	18.4	25.0	27.6	27.6	27.6	27.6	27.6	27.6
TOTAL	14	10	21	91	21	21	21	21

TOTAL NUMBER OF OBSI 76

PCT FRED NH <5/81 72.

TABLE 7A

## PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO DBS 3.3 8.9 30.0 17.8 10.0 8.9 4.6 8.9 6.7 .0 70

	A	٠

						M	AY						
PERIUDI (PRIMARY) 1907-1972 (OVER-ALL) 1858-1972						TAB	LE 8				ARE	A 0004	NURTHWEST JAVA SEA
	P	ERCENT	FREG D PRECI	F WIND	DIREC ON WIT	TION V.	ING VÁ	RRENC	E OR /	NON-DCC	URRENC Y	F OF	
VSBV (NM)	N	NE	E	\$E	\$	S.a	w	НH	VAP	CALM	PCT	TOTAL	

									wrof2	OF A13	IRITI	TY	
VSBV (NM)		N	NE	E	\$E	S	\$4	¥	NW	VAP	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	٠,0	.0	.0	.0	•0	.0	OBS
<1/2	NO PCP	.0	.0	.0	.0	•0	.0	, o	.0		•0		
	TOT %	•0	.0	.0	•0	• 6	,õ	č	٠٥	.0	•0		
	PCP	.0	.0	.0	.0	•0	.0	.0	•0	.0	•0	.0	
1/2<1	NO PCP	.0	.0	-0	.0	• 0	• 0	.0	•0		.0		
	TOT %	.0	.0	.0	.0	•0	.0	ě	.0	•0	•0	٠٥	
	PCP	.0	.0	.0	•0	•0	•0	.0	•0	•0	•0	•	
1<2	NO PCP	.0	. 6	.0	.6	• 0	.0	.0	.0	.ŏ	-0	1.2	
	TOT %	.0	. 6	• 0	.0	•0	• ()	.0		.0	.0	1.2	
	PCP	. 6	.0	.0	.0	•0	., 0	1.2	•0	.0	•0	1.7	
2<5	NO PCP	.0	. 6	.0	•0	•0	•0		.0				
	TOT #	.6	.6	.0		.0	•0	1.2	.,	.0	•0	2.3	
	PCP	. 1	.6	2.7	.4	1.0	1.6	.3	.0	.0			
5<10	NO PCP	.7	4.0	7,5	4.0	5.5	1.2	.6	.1		0	6.9	
	TOT %	1.0	4.6	10.3	4.5	6.5	2.7	. 9	.1	•0	2.9	26.6 33.5	
	PCP	.0	.0	.0	.0	•0	.6	.0	.0	.0			
10+	NO PCP	.6	6.4	21.4	14.9	8.5	3.0	1.7	1.2		0		
	TOT *	.6	6.4	21.4	14.9	8.5	4.3	1.7	i.2	•0	4.0	62.4	
	TOT OBS												173
	TOT PCT	2.2	12.1	31.6	19.9	15.0	7.1	1.6	1.3	•0	6.9	100.0	1/3

TABLE 9

				PERCE	NT FRE	Q OF WI	ND DIR	ECTION S OF V	VS WI	ND SPE ITY	ED		
VSBY	SPD	N	NE	٤	SE	٤	SW	¥	NW	VAR	CALH	PCT	TOTAL
•	0-3	.0	.0	.0	.0	.0	.0	.0	_			_	CBS
<1/2	4-10	.ŭ	.0	.0	.3		.0		.0	٠.	.0		
	11-21		:ŏ			:ŏ	.0	.0	.0	.0		. 3	
	22+	.ŏ	.ŏ	•0	.0	.0	.0		.0	.0		.0	
	TOT %	.0		.0	.3	.ŏ	.0	.0	.0	.0	.0	3	
	0-3	٠.	.0	.0	•		•		_				
1/2<1	4-10		.0		.0	.0	.0	.5	٠,	.0	.0		
1/641	11-21	:8	:0	.0	•0	•0	•0	٠0	•0	٠,٥		.0	
	22+	.0	.0	.0	•0	•0	.0	.0	•0	.0		.0	
	TOT %	.0	.ŏ	.0	•0	٠٥	٠0	•0	٠.	.0		.0	
		24		•0	.0	.0	•0	.0	•0	٠.	•0	.0	
	0-3	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.3	. 2	.5	.0	.0	.0	.0	.0	• •	1.0	
	11-21	.0	.0	•0	.0	.0	.0	•0	.0	.0			
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0			
	TOT \$	•0	.3	• 2	.5	•0	.0	•0	•0	.0	.0	1.0	
	0-3	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0		
2<5	4-10	.3	. 3	.0	.0	.0	.0	.0	.ŏ		••	.0	
	11-21	.0	. 0	.0	.0	.0	.0	.,	.ŏ			:7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0			ö	
	TOT \$	. 3	.3	.0	.0	.0	.0	.7	,õ	ŏ	.0	1,4	
	0-3	.0	•2	.3	.3	. 8	.2	.2	.0	.0	1.7	3.7	
5<10	4-10	.6	2.0	6.0	3.1	3.2	.7	.;	.1	.0	1.7		
	11-21	.0	.5	.,5		7.4	. 9			.0		16.6	
	22+	.0	.0	•0	.0	ò			.ŏ	.0			
	TOT #	.6	2.7	6.9	3.5	4.5	1.6	1.0	:1	:0	1.7	22.7	
	0-3	.5	1.7	3.7	1.4	2.2	1.1	. 3	. 5				
10+	4-10	.7	5. i	16.0	16.0	5.7	1.9	: 6	.;	•0	7.5		
-	11-21	·ò	7,5	2.5	4.2		1.7	:0	: 6	.0		47.1	
	22+	.0	.0		7.0			.ŏ	:0	.0		8,5	
	TOT %	1.2	7.3	22.2	21.6	8.4	3.9	1.2	1.4	.0	7.5	74.6	
7	OT Das												
	OT PCT	2.1	10.7	29.2	25.9	12.9	5.7	2.9	1.4	.0	9.2	100.0	295

C

C

MAY

PERIOD: (PRIMARY) 1907-1972 (CVER-ALL) 1858-1972

TABLE 10

APEA COOS NORTHHEST JAVA SEA 3.05 106.5E

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET, No	>4/81	A'40
	26611086	MEE EE W	- /4/4 = 1	# L.F. B		

ACUR (GMT)	000 149	150 299	300 599	600 999	1000	2090 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	44 <5/8	
00803	.0	٠.٥	.0	4.0	20.0	•0	٥.	.0	.0	•0	24.0	76.0	: 5
90360	.0	.0	.0	6.7	6.7	13.3	.0	.0	٠.0	.0	25 7	73.3	15
12615	.0	.0	.0	11	16.7	٠.	.0	.0	.0	•5	27.6	72.2	18
18621	.0	٠.	.0	7.7	15.4	.0	.0	.0	•0	• 0	23.1	76.9	26
TOT	U	0	0							٥			84

TABLE 11

TABLE 1

		PEPCENT	FREQUEN	CY VS81	( NM)	BY HOUR		CUMULAT					1784, 1841 (44) 145A	
HOUR (CHT)	<1/2	1/2/1	1 </th <th>2&lt;5</th> <th>3&lt;10</th> <th>10+</th> <th>TOTAL 855</th> <th>HOUR (Sht)</th> <th></th> <th></th> <th></th> <th></th> <th>NH &lt;5/8 A-L 5+</th> <th>TETAL DBS</th>	2<5	3<10	10+	TOTAL 855	HOUR (Sht)					NH <5/8 A-L 5+	TETAL DBS
00673	.0	.0	1.9	5.7	20.5	71.7	53	60303	•0	٠.	13.6	13.6	72.7	27
00009	1.5	٥,٠	.s	.0	26.2	72.3	65	06609	•0	•0	6.7	20.0	73.3	15
12615	٥,	.0	1.4	1.4	20.5	76.7	73	12615	•0	.0	12.3	18.8	68.8	16
18821	.0	.0	.9	. 9	25.2	73.0	111	13621	.5	٠.,	€,7	17.4	73.9	23
727 267	1	9	3	, 5 1 . 7	71	222	302	TOT	0	0			55 72.4	76 100-0

TARLE 13

PERCENT FREQUENCY OF PELATIVE MUMIDITY BY TEMP

TOTAL PET

TEMP F 0-29 30-39 40- 9 50-59 60-69 70-79 60-89 90-100 09\$ FREQ

90/94 .0 .0 .0 .0 .0 .8 .0 .0 .1 .8
85/89 .0 .0 .0 .0 .2 .9 92 5 4 .0 22 16.9
85/89 .0 .0 .0 .0 .2 .9 92 5 5 4 .0 22 16.9
85/84 .0 .6 .0 .0 .0 .3 3 0.0 33.6 9.2 96 75.4
75/79 .0 .0 .0 .0 .0 .0 .1 .5 5.4 9 6.9

TOTAL 0 0 0 0 6 52 53 19 130 150.0

PCT .0 .0 .0 .0 46 40.0 40.8 14.5

TABLE 14

TABLE 15

HEANS, SXTREMES AND PERCENT'LES OF TEMP (DEG F) BY HOUR

HAX 990 95% 50% 5% 1% AIN ARAN TUTAL DBS

80 65 85 85 83 79 77 77 82.9 85

90 72 90 84 79 77 77 84.7 178

40 65 85 83 80 77 78 82.9 93

90 88 54 83 80 77 75 82.3 167

95 90 87 83 79 77 75 83.3 525

TABLE 16

MAY

PERIOD: (PRIMARY) 1907-1972 (CVER-4LL) 1858-1972

TABLE 17

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

YS AIR-SEA TEMPERATURE DIFFERENCE (LEG F)

AIR-SEA	77 80	81 84	85 88	92 92	TOT	FOC	#0 #06
7/8	.0	.0	.0 .7	. 7	•	.0	.7
4	.0	.7	. 7	'n	•	.0	1,3
3	.0	. 7	. 7	.0	;	.č	1.3
3 2 1	• 0	4.7	1.3	ň	2 2 9	.0	
- 7		3.4	4.0	.,			c.0
					12	.0	8.1
C	1.3	14.8	6.0	•0	33	.0	22.1
-1	.0	8.1	2.7	• ^	16	.0	10.7
-2	.0	17.4	.7	.0	27	.0	18.1
-3	2.0	8.7	1.3	• 2	18	.0	12.1
-2 -3 -4	4.7	5.4	٠.٥	.0	15	.ŏ	10.1
-5	1.3	4.7	.0	.0	•ģ	.0	
-6	1.3						6.0
		• 0	.0	.0	Z	.0	4.3
-7/-8	1.3	.7	. 0	• 0	2	. 0	2.0
TOTAL	18		26			0	149
		103		2	149	•	
PCT	12.1	69.1	17.4	1,3	100.0		199.9

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

				PC	T FREG O	F WIND	SFEED	(KTS) AND DIRE	CTION 1	ERSUS S	SEA HEIG	HTS (FT)	)	
HGT	1-3	4-10	11-21	N 22-33	34+47	48+	PCT	1-3	4-10	11-21	4E 22-33	34-47		
<1	. ၁	1.5	•0	•0	•0	•0	1.5	2.0	2.0				48+	PCT
1-2	, с	.0	•0	.0	.c	.0	•••	3.0	.5	•0	٠,	•0	.0	4.0
3-4		.c	.0	.0	.0	.ö	٥٠	ñ	'n	.0	.0	.0	.0	2.5
^+6	.0	.0	.0	•0	.0		ě.		.0	.0	.0		•0	٠.
7	.0	.0	•0	.0	.0	.0		٠٥	.5		.0	٥	.0	• 6
3~5	.0	.0	.0	.0		.0	.5	•0	.,	.0	.0	.0	• 5	.0
10-11	.0	-0	.0	.0	.0	.0	2.0	.0		.0	.0	.0	.0	.0
12	.0	.0	.0		.0	.0	.0	iŏ	.6	.0	.0	•0	.0	•0
13-16	• • •	. C	.0	•0	.0	.0	.0	ě	.0	.0	.0	•0	• 0	•0
17-19	.0	٠.	.0	.0	.0	.0	.0	٥٠	.0		.0	40	.0	•0
20-22	.0	.0	.0	-0	.0	.0	.0	ŏ	.5	.0	.0	•0	• 0	•0
23-25	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	•0
26-32	•0	.0	•0	.0	•0	•0	.0	.0	.0	.0	.0	•0	:0	•0
33-40	• 0	.0	• 0	-0	.0	. 0		.0	.0	.0	•0	•0		•0
41-48	•0	۰.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0
49-60	.0	.0	•0	.0	.0	.0	.0	• 0	.0	.0	•0	•0	.0	••
61-70	.0	٠.	•0	•0	.0	.0	.0	.0		.5	.0	•0	.0	•0
71-86	•0	.0	•0	•0	.0	.0	.0	.0	.0	ě	.0	.0	.0	• 0
87+	.0	.0	•0	. 2	.0	.0	.0	•0	.0	.0	.0	•0	.0	•0
TOT PCT	.0	1.5	•0	.0	.0	.0	1.5	4.0	2.5	.0	.0	:0		.0 6.5
								• •		••	••	••	••	0.9
				E							52			
HC,	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	
<1	4.0	2.0	• 0	.0	.0	.0	6.0	.0	8.0		.0	•0		PCT
1-2	.0	10.5	.0	.0	, 0	.0	10.5		13.5	ŏ	.0	.6	.0	8.0
3-4	.0	7.5	2.0	.0	.0	.0	9.5	ó		6.0	.0	.0	:0	14.0
5-6	.0	2.0	•0	.0	.0	•0	2.0	.0	, 0		.0	.0	.0	6.5
7_	.c	.0	•0	.0	.0	•0	.0	, o	.0	.0	:0	•0	.0	٠0
8-9	.0	.0	• 2	.0	. 0	•0	.0	.0	.0	.0	:0	•0	.0	•0
10-11	٠,	.0	•0	.0	.0	.0	.0	.0	.0	ŏ	:0	•0	.0	
12	•0	.0	•0	٠.	.6	.0	, č	ě	.0	.0	.0	•0	٥:	•0
13-16	.0	.0	•0	.0	.0	.0	.0	.0	.0	·ò	·ŏ	.0	.0	•0
17-19	.0	.0	•0	.0	.0	.0	.0	.0	Č	.ŏ	:0	.0	.ŏ	•0
20-22	.0	.0	•0	.0	.0	.0	.0	.0	.0				.ŏ	.0
23-25	.0	• 0	•0	.0	.0	.0	.0	.0	.0	.0		.0	:0	.0
26-32	•0	.0	•0	٠.	.0	.0	.0	.0	.0	.õ	.ŏ	.ŏ	.0	.0
33-40	•0	.0	•0	.0	٠.	.0	. 5	.0	.0	.0		.0	.6	•6
41-48	.0	.0	.0	-0	.0	.0	.0	.0	.0		.0	.0	ĕ	•0
49-60	.0	.0	•0	•0	•0	.0	•0	.0	.0	.0	.0	ěŏ		•0
61-70	.0	.0	•C	.0	.0	.0	•0	.0	ō	.ŏ	.0	ě	:0	•0
71-86	٠,0	.0	.0	.0	.0	•0	.0	.0	.0		:ŏ	ě	.ŏ	
87+	.0		•0	.0	.0	.0	.0	.0	.0		.0	.ŏ	ĕ	.0
TOT PCT	4.0	22.0	2,0	٠0	•0	.6	28.0	. 5	22.0	6.0	:0			28.5

								444							
PER (00)	COVER	1-466)	1963-1	972				TABLE 18 (CONT	3			AKEA		5 106	ST JAVA SEA .5E
				pr	T FREG O	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EY AETO	1175 (FT	3		
				5 22 <b>-</b> 33	34-47	48+	PCT	1-3	4-10	11-21	\$¥ 22=33	34-47	48+	PCT	
HGT	1-3	4-10	11-21	.0	.0	•0	6.0	• 0	2.0	.0	.0	.0	.0	2.0	
<1	2.0	4.0	.0		.0	.5	7.0	2.0	.0	2.0	.0	•0	.0	4.0	
1-2	3.5	5.5	•0	.0	.0		.0	. 0	. 5	2.0		.0	. 0	2.0	
3-4	٠,	.0	•0	.0	.0	.0	.0	ŏ	. 0	0	.0	.0	.0	.0	
5-6	.0	.0	•0	.3	.5	.0	.0	.0	. 0	.,	.0	.0	.0	.0	
7 8-9	.0	:0	• • •	ě	:,	.ŏ		ň	. 0	.0	.0	• 0	.0	.0	
	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-0	.0	
10=11 12	.0	.0	•0	.0	.0	.0	.č	.0	. 5	.0	. 5	.0	.0	.0	
13-16	.0		•0	•0	.0				.0	.5	.0	.0	.0	.0	
17-19	.0	.0	.0	.0			.0	, î	.0	. 5	.0	.0	.0	٠,	
20-22	.c	.0	.0		ň	.0		.0	.0		.0	• 0	.0	.0	
23-25	.č	.č	.0		.c	.0	.0	90	.0	.0	.0	• 0	.0	.0	
26-32	.5	.0	.0	.0	.5	.0	.0	.c	.0	.0	.0	.0	.0	.0	
33-40		.ŏ	.0		.0	.0	.0		.0	.0	.0	•0	٠٥	.0	
41-48	.5	.0	.c	. 6	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
49-60				.0	.0	.5	,0	.0	٥.	• •	٠٥	.5	.0	• )	
61-70			.0	.0	.0	.0	.0	٥.	.0	٠.5	.0	. ú	.0	.0	
71-86	. 0	.0	9.	.5	.0	.0	.0	•0	.0	.0	•0	, 3	. 5	.0	
87+	.0	.0	.0	.0	• 9	.0	• 6	•0	٠.0	-0	.0	•0	.0	• 0	
TOT PET	5.5	9.5	•0	•0	.0	.0	15.0	2.0	2.0	4.0	•0	•0	.0	8.0	
				u							Ne				TSTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1		.0	.0	.0	, 0	٥.	.0	• 0	. 5	.0	•0	.0	.0	.5	
1-2	.0		.0	.5		.0	.0	.0	2.0	,0	.0	.0	.0	7.0	
3-4	.ŏ	.ŏ	č	.0	ö		.0	.0	.0	.0	.0	•0	.0	.0	
5-6			. 0		. 6	.0	.0	.0	.0	.0	.0	•0	.0	• 6	
7	.0	.0	.0		.5	.0	. c	.0	•0	.0	.0	•0	.0	. 3	
8-9	.0	.0	•0	•0	.0	.0	• C	.0	.0	.0	-0	•0	.0	.0	
10-11	.0	.0	.0	-0	ď.	.0	.0	•0	.0	•0		•0	.0	•0	
12	.с	.0	•0	.0	.0	. 0	.0	• 2	•0	.0	•0	•0	. ;	.3	
13-16	.0	.0	•0	.0	.0	.0	.0		• 0	.0	•0	•0	.0	• 0	
17-19	.0	.0	.0	.0	.0	• 0	.0		• 0	•0	0	• • • • • • • • • • • • • • • • • • • •	.0	.0	
20+22	.:	.0	.0	.0	. ?	.0	•c		• •	.0	•0	• 0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		:0	.0	• 0	.0	.0	.0	
26-32	. 0	.0	.0	.0	.0	•0	٥.		•6	.0	.0	•0	.0	•0	
33-40	.0	.0	.0		.0	•0	.0		,0	•0	.0	• • • • •	٠,	••	
41-48	.0	.0	.0	.0	.0	.0	•0	• 5	•0	.0	•5	•0	.0	.0	
49-60	.0	.0	.0		٠.	•0	.0		.0	.0	•0	•0	•0	.0	
61-70	.0	.0	•0		•0	•0	•0		.0		•0	•0	.6	.0	
71-86	.0	.0	.0		.0	.0	•0		•0		•0	.0	.0	,0	
87+	• 6	.0	•0		.0	.0	• ^		.0 2.5		.0	.6	.0	2.5	90.0
TOT PCT	•0	.0	•0	•0	.0	•0	• 0	•0	2,7	•0	.0	•0	••	4.,	,,,,

	HIND	SPEED	(KTS)	VS SE4	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-39	34=47	46+	PCT	TOT
<1	19.6	19.6	.0	.0	.0	.5	39.2	203
1-2	7 8	31.4	2.0	. 0	.0	.0	41.2	
3-4		7.8	9.8		.0	.0	17.6	
				ö		.0	2.0	
3-6	.0	2.0	•c		.0	ě	0	
.7	.0	•0	.0	•0				
8-9	.0	•0	.0	.0	.0	.?	•0	
10-11	.0	.0	.c	.0	.0		•0	
12	.0	.0	.0		.0		.0	
13-16	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0		•0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0		.0	.0	.0	
33-40	.0	.0			.0		.0	
41-48	.ŏ	.0	.0		.0		.0	
49-60	.ŏ	.0	.0		.0		.0	
61-70	.0	.0	.ŏ		.0		.ŏ	
							.ŏ	
71-86	•0	•c	.0					
87+	.0	.0	• 0	•0	.0	•0	٠.	
TET PET	27.5	60.8	11.8	.0	• (	.0	100.0	51

PEK10	D: 10V	ER-ALL	1 194	9-1972					TABLE	19											
					PPRCL	-(	DUENCY D	F HA	VE HEI	GHT (F	r) V'-	WAVE P	FRIOD	(SFCON	05)						
PERIOD	<1	1-2	3-4	5-6	7	9-E	10-11	12	13-16	17-19	20-22	23-25	26~32	33-40	41-48	49-60	61-70	71-86	67+	TETAL	MEAN HGT
(SEC)	22.4	39.5		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠.	.0		.0	.0	5é	2
<6			11.8	1.3			.ŏ				ŏ	, 6	.0		.0			.0	.0	7	3
6-7	.0	.0	7.9								ŏ				.0			.0	.0	٥	
8-9	•0	.0	.0	.0	٠.	.0	•0	.0							.0			.ŏ	ŏ	ň	
10-11	•0	.0	.0	.0	.0	.0	.0	.0	.0		:0	.0									
12-13	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0				•0	.0	Ū	
>13	.0	.0	.0	.0	.0		•0	.0	.0	.0	:0	.0	.0	.0	.0		0	.0	.0	0	
41125				.0	.ŏ	• • • •	.0	.0			ō				.0		0	.0	.0	13	0
INDET	15.8	•0	1.3	.,	_	•••	••		_	•••					•		1 0			76	,
TOTAL	29	30	16	1	0	0	•	0	0	0	0	C	Ų	, ,	Ų			Ÿ			•
DAT	38.2	30.4	21	1.4	- 0	-0	.0	.0	.0	0	.0	- 40	.0		.0	0	0	.0	.0	100.0	

TABLE 1

AREA 0004 NURTHWEST JAVA SFA 3.65 106.6E

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATION	Y TYPE					OTHER	WEATHER	PHEND	MENA	
HND JIR	RAIN	RAIN	DRZŁ	FRZG PCPN	SHUM	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUS BLWG SND	
N NE E SE SW NW VAR CALM	10.8 .0 5.9 13.2 .0	72.0 10.8 1.8 2.6 .0 .0 41.2	10.4	.00000000000000000000000000000000000000			00000000000	22.0 21.6 1.8 5.8 16.0 .0 41.2	.0 1.3 4.2 3.8 12.9	.0 3.5 6.5 3.8 12.9	.0 16.2 2.6 2.0 9.4 .0 .0	• • • • • • • • • • • • • • • • • • • •	•0	•0 •0 •0 •0 •0 •0	78.0 62.2 90.8 81.0 70.8 74.2 100.0 58.8
TOT PCT TOT CAS:	4.6 197	4.1	1.5	.0	•0	•0	.0	9.1	3.0	4.6	3.6	•0	•0	•0	81.2

TABLE 2
PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			•	RECIFI	TATIO	TYPE					CTHER	WEATHER	PHEND	MENA	
HOÙR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG FCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT JB TIME	PCPN PAST HGUR	THOR LTPS	FDG WD PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	NO SIG WFA
00603 06609 12615 18621	4.4 7.7 4.5 3.1	6.9 .0 4.5 4.7	2.2 1.9 2.3	.0 .0	.0	.0	.0	15.6 7.7 9.1 7.8	4.4 .0 6.8 1.6	2.2 3.6 6.8 6.3	2.2 1.9 2.3 6.3	.0 .0 .0	•0	.0	77.8 88.5 77.3 79.7
TOT PCT TOT CBS:	4.9 205	4.4	1.5	.0	•0	.0	.0	9.8	2.9	4.9	3.4	•0	•0	•0	61.0

TABLE 3
PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KY	DTS)								HOUR	(GMT)			
WND DIE	0-3	4-10	11-21	22-33	34-47	45+	TOTAL	PCT FREQ	MEAN SPD	00	¢3	06	09	12	15	18	21
N NE	1.3	2.0	.3	.0	.0	.0		3.0	6.6	2.2	.0 3.8	2.7 3.6	1.6	6.3	•0	3.4	2.0
E Se	2.7	19.5	3.1	.0	.0	.0		27.3	7.7	25.3 43.8	38.5	26.4	34.7	23.9	18.8	23.8	32.7
5	1.7	7.9	1.3	. 1	.0	. 5		11.1	7.4	10.5	7.7	12.6	13.3	12.5	12.5	9.4	8.7
SW W	.6	1.3	. 4	.o	.0	•0		5.2 1.8	6.9 8.5	e.s 1,2	•0	8.1 4.1	2.0	3.4	6.3	2.4	5.3 1.3
47 FAV	.2	1.2	.2		.0	.5		1.6	7.9	1.5	15.4	2.3	•0	2.3	•0	1.0	•0
CAL-	5.2 82	372	67	,	0	٥	542	5.2	7.3	3.7 81	13	3.6	6.5	5.7	12.5	6.7	5.3 75
TOT PCT	15.1	68.6		. ž	.0	, č		100.0	. •		100.0				100.0		

TA	Rŧ	£	34

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	10TAL DBS	PCT FREQ	MEAN SPD	00	H0UI 06 09	(GHT) 12 15	18 21
H	1.4	1.6	.0	•0	.0		3.0	6.6	1.9	2.3	5.7	2.8
NE	3.4	3.0	• • •	.0	٠.		6.4	6.8	4.8	4.0	5.2	10.2
	12.3	14.3	.6	.0	٠.		27.3	7.7	27.1	29.3	23.4	27.5
ŠE	15.3	21.8	-1.3	ii	.0		30.5	0.i	42.6	36.6	40.6	37.0
•	5.2	5.7	.1	.1	.0		11.1	7.4	10.1	12.9	12.5	9.1
SW	2.8	2.4	.0	.0	.0		5,2	6.9	5.9	6.2	3.6	4.7
¥		.6	.3	.0	.0		1,5	8.5	1.1	2.6	. 5	2.0
NW	.6	1.0	• 1	.0	.0		1.6	7.9	3.5	1.4	2.1	
VAR	.0	•0	.0	•0	.0		.0	.0	.0	.0	.0	.0
CALM	5.2				_		5,2	.0	3.2	4.6	6.3	6.1
TOT DAS	25	274	13	1	0	542		7.3	94	173	96	179
TOT PCT	46.9	50.6	2.4	•2	.0		100.0		100.0	100.0	100.0	100.0

{

IUNE

PERIOD: (PRIMARY) 1912-1971 (GVEP-ALI) 1856-1971

TABLE 4

AREA 0004 NORTHWEST JAVA SEA 3.63 106.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				MIND	SPEED (	KNOTS			PCT	TOTAL
HQUR	CALH	1-3	4-10	11-21	22-33	34-47	48+	HEAH	FREQ	335
00603	3.2	9.6	67.0	19.1	1.1	.0	.c	7.9	100.0	94
06609	4.6	9.2	70.5	15.6	.0	.0	.0	7.4	100.0	173
12615	6.3	11.5	69.8	12.5	.0	.0	.0	6.7	100.0	96
18521	6.1	10.1	67.0	16.8	.0	.0	.0	7.3	100.0	179
TOT	28	54	372		1	e	0	7.3		542
PCT	5.2	10.0	68.6	16.1	.2	.0	.0		100.0	

TABLE

----

			T	ARLE 5								TA	BLE 6					
P	CT FRE			LOUD A		EIGHTHS) HEAN		ı					CEILIN NH <b>(</b> 5/					
WND DIR	0-2	3+4	5-7	08500	TETAL CBS	CLOUD	000 149	150 299	300 599	600 997	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH €5/8 Any HGT	TOTAL OBS
N	1.1	1.1	2.6	1.1		5.0	•0	•0	. 9	.0	.0	•0	.0	•0	.0	.0	5.1	
NE	.0	. 9	1.1	1.1		6.3	•0	• ^	.0	•0	.0	.0	.0	1.1	.0	.0	2.0	
E	9.9	8.2	4.3	3.1		3.5	•0	. 2	.0	2.3	.0	.0	.0	.0	.0	.0	23.0	
.1E	8.2	10.2	18.5	6.3		4.7	•0	.0	.0	4.5	1.1	2.3	. 3	•0	•0	. 0	35.2	
•	. 0	1.1	3.1	6.3		6.7	•0	•0	.0	3.1	2.3	1.1	. 9	.0	•0	.0	3.1	
ŚW	1.1	.0	1.1	2.6		5.6	•0	•0	.0	2.6	1.1	.0	. 0	•0	•0	.0	1.1	
Ĭ.	.0	.0	1.1	.0		7.0	•0	• 0	.0	1.1	•0	.0	.0	•0	·ŏ	.0	.0	
ÑW	.5	.0	. 9	1.1		7.2	.0	1.3	.3	• 0	.0	•0	.0	•0	•0	.0	. 6	
VAR	.0		.0	.0		.0	.0	• 5	.0	•0	.3	.0	.c	•0	• 0	.0	.0	
CALM	.0	2.3	1.1	.0		3.6	•0	.0	.0	.0	.0	.0	.0	•0	.0	.0	3.4	
TOT CAS	18	21	30	19	88	4.8	ň	- "	ĭ	iž	• •	• "	• • • •	- ,	• • • •	•ŏ	65	88
TOT PCT	20.5	23.9	34.1	21.6	100.0		٠ŏ	1.1	1.1	15.6	4.5	3.4	1.i	1.1	•ŏ		73.9	100.0

TARLE 7

CUMULATIVE PCT FRED OF RIVUITANEOUS OCCURRENCE OF CEILING HEIGHT (NM 34/8) AND VSBV (NM)

				VSBY (NH	,			
CEIL ING	• CR	- CR	• 3R	- Ch	• OR	• GR	<ul> <li>OR</li> </ul>	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	٠.	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	•0	.0	1.1	1.1	1.1	1.1	1.1
■ DP >3500	.0	1.1	1.1	2.2	2.2	2.2	2.2	2.2
■ DR >2000	4.3	5.4	5.4	6.5	6.5	6.5	6.5	6.5
■ DR >1000	8.7	9.8	9.8	10.9	10.9	10.9	10.9	10.9
• DR >600	18.5	22.8	22.8	25.0	25.0	25.0	25.0	25.0
• DR >300	19.6	23.9	23.9	26.1	26.1	26.1	26.1	26.1
■ DR 7150	19.6	23.9	25.0	27.2	27.2	27.2	27.2	27.2
• OR > 0	19.6	23.9	25.0	27.2	27.2	27.2	27.2	27.2
TOTAL	18	22	23	25	25	25	25	25

TOTAL NUMBER OF OBS: 92

PCT FRED NH <5/81 72.8

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 GBSCO TOTAL 9.1 16.2 19.2 16.2 12.1 6.1 3.0 5.1 13.1 .0 99 JUNE

PERIOD: (PRIMARY) 1912-1971		AREA 0004 NURTHWEST JAVA SEA
(OVER-AL!) 1856-1971	TABLE 8	3.65 106.6E

		P	RCENT	PREC	UF WINI	DIRECTOR WIT	TION V H VARV	S DECU	RRENCE LUES C	F VIS	JN-300 181117	URRENC Y	E OF
VSBY (NM)		<b>\</b>	NF	E	SE	S	Sw	+	Pale.	VAR	CTL	PCT	TOTAL
(147)	PCP	٠.	.0	.0	.0	.0	• 0	.0	.0	. 0	.0	.0	
<1/2	NO PCP	c	ີ້າ	٠	.0	•0	.0	.0	.0	.0	• 2	.0	
(1/2	TOT %	.c	.0	.0	.0	•0	.0	.0	.0	•0	•0	•0	
	PCP	.c	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0	
1/2<1	NO PCP	.c	.0	.0	.0	• 0	•0	.0	.0	•0	• 1)	.0	
	TOT \$	٠.	.0	.c	• 0	•0	•0	•0	•0	•0	•0	۰.	
	PCP	٠,	.5	.0	.0	.0	•0	.0	•0	.0	•0	.5	
1<2	NO PCP	.0	.0	.0	. 5	•0	•0	۰.0	•0	.0	• 0	. 5	
	TOT %	.0	٠,	.0	.5	•0	•0	•0	. 3	•0	•0	1.0	
	PCP	.0	٠,	.0	٠.	.0	•0	.0	.5	.0	• 0	.5	
2<5	NO PCP	.5	.0	. 3	. 3	• 0	.0	• 0	•0	.0	• າ	1.0	
•	TOT %	. 5	.0	.3	.3	•0	•0	•0	. 5	•0	•0	1.5	
	PCP	. 8	.5	.0	3.4	•6	•0	.0	. 3	٠.	.0	5.6	
5<10	NO MCP	. 8	2.3	7.9	11.2	6.3	1.5	•0	. 5	•0	1.7	31.5	
	TOT %	1.5	5.4	7.9	14.6	7.0	1.5	•0	. 8	•0	1.0	37.1	
	HCH	.4	.c	.5	.0	1.5	• ^	.0	- 1	.0	. 0	2.5	
10+	NO PCP	2.8	1.4	20.3	23.5	4.9	2.4	. 6	. 6	.c	1.0	57.9	
	TOT &	3.2	1.4	20.€	23.5	6.5	2 . *	•	۰,	.0	1.7	62.4	
	TOT CBS												19
	TOT PCT	5.2	4.7	28.9	38.8	13.5	3.4	. 8	2.2	.0	2.5	100.0	

TABLE 9

			,	PERCEN	T FREQ	ARYING	O DIRE	SF VI	SIBIL	TY	EU		
V587 (441	SPU	N	*E	E	SE	5	Sn	"	NW	PAV	CAL"	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	٠,	.0	.0	.0	
<1/2	4-10	.0	.0	. 5	1.5	.0	.0	٠.	.0	.0		2.0	
	11-21	, c	.0	•0	.0	. c	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	٠,	.0	.0		.0	
	TOT %	.0	.0	. 5	1.5	•0	. 3	.0	.0	.0	• • •	2.0	
	0-3	.0	.0	.0	.0	.0	.0	·o	.0	٠.	.0	.0	
1/241	4-10	.0	.0	.0	.0	.0	.0	. 5	.0	.0		.0	
	11-21	.0	.0	.0	.0	•0	.0	٠.	٠.	.0		.0	
	2.+	.0	.0	.0	.0	.0	.0	•0	.0	۶.		.0	
	TOT %	.0	••	.0	.0	.0	-0	۰,	٠٠	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	٠,٦	. 3	.0	. 3	۰.0	.0	.0	.0	•0		• 7	
	11-21	. 0	.0	• 0	.0	•0	.0	.0	.0	.0		·u	
	22+	.0	.0	٠.	.0	.0	.0	.0	.0	•0		.0	
	<b>TOT </b> \$	.0	.3	•5	.3	•0	.0	.0	.0	•0	.0	.7	
	0-3	.0	.0	,0	.0	.0	•0	•0	.0	.0	.0	.0	
2<5	4-10	.3	٠.	• e	• 0	• C	.0	٠٥	. 3	٠.		•7	
	11-21	.0	-0	• 2	. 2	.0	.0	•0	•0	.0		.3	
	22+	.0	•0	•0	•0	• 0	.0	٠,٥	•0	٠,٥	_	0	
	TO' %	.3	.0	. 2	.2	.0	. 3	.0	.3	.0	•0	1.0	
	0-3	•0	٠.	.2	. 8	.7	.0	.0	.0	.0	1.0	2.6	
5<10	4-10	1.0	1.8	3.4	6.0	3.3	1.0	•0	. 5	.0		17.0	
	11-21	.0	٠0	1.6	2.9	•	.0	.0	•0	.0		5.2	
	22+		٠.	•0	.0	•0	.0	.0	• 6	.0		9.	
	TGT %	1.0	1.5	5.2	9.7	4.7	1.0	•0	. 5	•0	1.0	24,8	
	0-3	.2	.7	2.0	1.6	• 7	. • 7	.0	-1	.0	3.3		
10+	4-10	2.0	1.9	16.3	23.0	4,5	2.7	.3	5	٠.		51.0	
	11-21	.5	. 3	3.3	5.9	.7	. 3	• 2	. 2	.0		14.4	
	22+	.0	.0	.0	.0	• 0	• 0	.0	٠.	.0		0	
	TO• ≰	2.7	4.0	21.4	30.5	6.0	3.7	. 5	.7	.0	3.3	71.6	
	TOY ORS							_					306
	TOY DAS TOY PCT	4.0	5.0	27.3	42.2	10,0	<b>4.7</b>	.5	1.6	.0	4.2	100.0	

JUNE

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1856-1971

TABLE 10

AREA 0004 NORTHWEST JAVA SEA 3.65 106.65

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET, NH	>4/81	ANI
	CCURRE	NCE OF N	P <5/8 91	HULLE		

HOUR (GMT)	000 149	150 299	300 599	600 999	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00603	.0	4.0	.0	4.0	4.0	4.0	4.0	•0	•0	•0	20.0	30.0	25
06609	٠,	.0	.0	11.5	3.8	3.8	.0	3.8	.0	•0	23.1	76.9	26
12615	.0	.0	4.2	25.0	4.2	4.2	.0	•0	•0	•0	37.5	62.5	24
18621	.0	.0	.0	19.0	4.5	**5	٠.	.0	•^	•0	22.7	77.3	>2
TOT PCT	.0	1.0	1.0	13.4	4.1	4.1	1.0	1.0	.0	.0	25 25.8	74.2	97 100.0

TABLE 11

*1BLE 12

		PERCENT	FREGUEN	CY VS8	r (NH) .	ar HOUR		TAJUNUS					(HP) YARY RUCH YAK	
HOUR (GMT)	<1/2	1/2<1	147	2<5	5<10	10+	TCTAL Des	H3UR (64f)	<150 <50YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ 4405+	NH <5/8 AND 5+	TOTAL GBS
00603	3.3	.0	1,6	1.6	21.3	72.1	51	00003	.0	4.0	8.0	12.0	80.0	25
90360	.0	٠.	1.3	٠.	25.3	73.4	79	26629	.1	.0	17.4	A.7	73.9	23
12615	1.5	.0	•u	1.5	17.6	79.4	68	12615	•0	4.3	30.4	8.7	60.9	23
18221	2.8	.0	.0	.9	31.8	64.5	107	14621	•0	•0	17.0	9.5	74	21
TOT	, 6	0	?	3	79	225	315	**************************************	9	, 2	18 5	9	7,66	92

TABLE 13

TABLE 1

PERCENT FREQUENCY OF WIND DIRECTION BY 7EMP

N NE E 5% S SM M NM YAR CALM

.0 .0 3.7 7.6 3.5 .0 .0 .0 .0 1.3

4.7 4.7 21.5 30.8 7.7 2.1 6 .8 .0 .0

1.9 .0 .0 2.7 3.1 .6 .C 1.3 .0 .0

6.0 5.3 25.8 41.1 14.4 2.7 .6 2.1 .0 1.9

	PERC	ENT FRI	EQUENCY	Y OF P	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-5	60-69	70-79	80-89	90-100		FREQ
35/89	.0	.0	.0	.0	1.9	9.7	1.9	.6	25	14.1
80/84	.0	.0	9.0	.0	3.9	26.5	34.2	9.0	114	73.5
75/79	.0	.0	.0	.0	.0	.6	5.2	4.5	16	10.3
TOTAL	a	0	0	0	12	57	54	22	155	100.0
PCT	.0	.0	.0	.0	7.7	36.8	41.3	14.2		

TABLE 15

PERCENT FREQUENCY J RELATIVE HUMIDITY BY HOUR

	HEANS,	EXTREMI	S AND	PERCEN	Ttes	OF TE	MP (DE	G F) B	Y HDUR		PERC	CHT FRE	QUENCY	J RELA	TIVE H	YTIOIN	BY HOUF	١.
HOUR (GMT)	XAH	99%	95%	50%	51	14	4[2	HEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	7075L
£0360	88 90	86 67	85 88	62 64	36	75 77	75 76	82.1	93 165	60°63	.0	.0	20.0	32.4 52.5	20.0	20.6	82 76	34 40
12615	87 85	85 84	84 84	82 82	78 79	75 77	75	81.8	99 184	12414	.0	•0	2.8 3.7	27.6 35.2	55.6 46.3	13.9	83 81	36 54
707	90	83	86	\$2	79	76	75	#2.5	540	101	0	C	12	91	68	23	80	164

JUNE

PERIOD: (281"AR/) 1912-1971 (OVER-ALL) 1856-1971

TABLE 17

4952 0004 NORTHWFST JAVA SEA 3.65 106.65

PLT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73 76	77 80	81 84	85 88	TOT	FOG	WO FOG
5	.0	.6	٠,	5	3	.0	1.7
4	.0	•0	.6	1.2		.0	1.7
3	.0	.0	.6	• 0	ı	.0	.6
3 2	.0	.0	3.5	4.1	13	.0	7.6
7	.0	•0	7.0	2.9	Ĩ6	.0	10.5
3	.,	•0	16.3	3,5	34	3.5	14.3
-í	ú		11.0	2.3	24		13.4
-2	•0	1.7	9.3	1.2	21	.0	12.2
-3	٠.	• 0	4.1	•0	7	.0	4.1
-4	.0	3.5	8.1	•0	20	.0	11.6
-5	1.2	1.2	6.4	.0	15	.0	5.7
-6	.0	. 0	1.2	.0	2	٠.	1.2
-7/-8	.0	2.3	1.2	. 0	6	.0	3.5
-0/-10	. 6	1.2	.0	.0	3	.0	1.7
-11/-13		- 6		. 0	2	.5	1.2
		••		• •	•	·,	
TOTAL	4		121			,	165
		20		27	172		
PCT	2.3	11.6	70.3	15.7	100.0	4.1	95.9

PERIOD: (GVER-ALL) 1963-1971

TABLE 18 PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

			N							NE		
1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	
.0	1.6	٠0	.0	.0	.0	1.6			.0			
.0	4.2	2,1	ů.	. 0	.0	6,3	.0	.5	.0	.0	•0	
				.0					.0			

5+6	.0	.0	.0	.0	.0	. 0	.c	.0	• 0	.0	.0	•0	.0	.0
7	٠.	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0
8-9	.0	.0	•6	.0	٠.	.0	.0	•0	.0	.0	•0	•0	.0	-0
10-11	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0
12	. 3	.0	• 0	.0	.c	.0	•0	.0	.0	• 0	•0	•0	.0	•0
13-16	.0	.0	•0	.0	.0	.0	•^	•0	.0	.0	.0	•0	.0	•0
17-19	.0	.0	.0	.0	.0	٠0	•0	.0	.0	.0	.0	•0	.0	•0
20-22	.0	.0	•0	.0	.0	.0	.0	۰,	•0	٥٠	.0	•0	.0	•0
23-25	.0	.0	.0	.0	•0	•0	•0	.0	•0	•0	•0	•0	.0	•0
26+32	.0	.0	.0	.0		.0	.0	•0	.0	.0	.0	•0	.0	•0
33-40	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	.0	•0	.0	.0
41-48	.0	.c	• (	.0	.0	.0	•0	.0	•0	.0	•0	.0	.0	•0
49-00	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	•0	•0	.0	•0
£1-70	. 0	.0	.0	.0	.0	.6	.c	•c	۰.	•0	-0	•0	.0	.0
74-86	.0	.0	•0	.0	.0	-0	٠,٥	• 5	٠.	.0	-0	•0	•0	•0
87+	.0	.0	.0	-0	.0	.0	.0	•0	(o	-0	•0	•0	.0	•0
TOT PCT	.0	5.7	2.1	•0	٥.	.0	7.8	•0	1.0	.0	.0	•0	.0	1.0
				£							\$E			
HGT	1-3	4-10	11-21	22-33	34-67	43+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PC*
<1	2.1	6.3	•0	•0	.0	•0	8.3	2.1	2.1	•0	• 0	•0	.0	4.2
1-2	.0	7.8	2.1	.0	.0	.0	9.9	2,1	18,8	2,1	.0	• 0	.0	22.9
3-4	2.1	1.6	.0	.0	• 0	•0	3.6	•0	6.3	6.8	.0	*0	.0	13.0
3-0	.0	.0	3.1	•0	.0	.0	3.1	•0	.0	5,2	.0	, O	.0	5.2
7	. 0	.0	•0	.0	.0	.0	•0	•6	.c	.0	.0	.0	.0	•0
6-3	.0	.0	•0	.0	.0	•0	• 0	•0	.0	•0	•9	,0	.0	.0
10-1)	.0	. 0	•0	.0	.0	•0	•0	•0	• 0	•0	.0	•0	.0	٠,٥
12	.0	.0	•0	٠.۵	•0	•0	•0	.0	•0	.0	.0	•0	.0	•0
13-16	• 0	٠,	•0	•0	.0	•0	•0	•0	.9	.0	+0	.0	.0	•0
17~19	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	.0	•0	٠.	.c
20-22	.0	.0	•0	. 7	.0	.0	•0	40	•0	.0	.0	•0	.0	•0
23-25	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	.0	•0	.0	.0
26-32	.0	.0	•0	.0	•0	.0	•0	.0	.0	.0	.0	• 2	•0	٠.
33-40	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	.0	•(	.0	•0
41-48	.0	.0	•0	.0	.0	.0	,0	•0	• •	.0	.0	•€	.0	•0
49-60		.0	.0	•0	.0	•0	.0	•¢	• 0	.0	•0	•0	•0	•0
61-70	.0	.0	•0	.0	.0	.0	٠0	•0		•0	.0	•0	.0	•0
71-86	.0	.0	.0	.3	٥.	.0	. 3	•0	•0	.0	٠.	•0	•0	•0
87+														
TOT PCT	4.2	15.6	3.2	.0	.0	.0	.0 25.0	4.2	27.1	14.1	.0	•0	.0	,0 45,3

PERIODI	(OVE	R-ALL)	1963-1	1971					JUNE				AREA			ST_JAVA SE
									18 (CONT)			4			\$ 106	. O E
				PC	T FREO 3	FAIND	SPEED	(KTS)	AND DIREC	TIUN V	EK202 2		MT3 (F)	,		
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	\$¥ 22-33	34-47	48+	PÇT	
<1	.0	.0	.0	•0	•0	.0	.0		.0	• 0	.0	.0	•0	•0	.0	
1-2	.c	3.6	.0	•0	.0	.0	3.6		•0	4.7	.0	.0	•0	٠٥.	4.7	
3-4	.c	2.1	1.6	•0	.0	.0	3.6		• 5	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	•0	•0	.0 .c	.0	.0		.0		.0	.0		.6	.0	
7 8-9	.0	.0	.0	.0		.ŏ	۰٥		ò	ō	٥.	.0	.0	.0	.0	
10-11	.ŏ		.0	.ŏ	.0	.0	.5		'n	.0	.0	.0	•0	.0	.0	
12	.c	.0	.0	.0	.0	.0	• 2		•0	.0	.0	.0	•0	.0	•0	
13-16	.0	.0	.0	.0	.0	.0	.0		•6	•0	•0	•0	•0	.0	.0	
17-19	.0	.0	.0	.0	•0	.0	.0		•0	٥٠	.0	.0	•0	.0	.0	
20-22	.0	.0	•0	.0	•0	•0	.c		•0	:0	.0	.0	.0	:ŏ		
23-25	.0	.o .c	•0	.0	.0	•0	.0		ň	.0		.0	.0	.ŏ		
26-32 33-40	٥.	.0	.0		.0	.ŏ			.0	.0	.0	•0	.0	-0	.0	
41-68	. ق		.0		.0	.0	.0		.0	.0	.0	.0	.0	•0	.0	
49-60	.c	.0	.0		.0	.0	.0		.0	.0	•0	٠0	•0	•0	•0	
61-70	.c	.0	•0		.c	.0	.0		• ^	•0	.0	•0	•0	.0	•0	
71 -86	.0	.0	•0		•0	.0	.0		•0	.0	•0	•0	•0	:5		
17+	•0	5.7	.0 1.6		.0	.0	7.3		.0	4,7					4.7	
TOT PCT	.0	3.7	1.0	••	••	•••	, , , -		•-	·-						
																TOTAL
	1-3	4-10	11-21	W 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
HGT <1	1-3	0	•0		.0				.0	. 5	.0	.0		.0	. 5	
1-2	.0	.0				.0	.0		.0	2.1	.0	.0		.0	2.1	
3-4		.ŏ	.0		.0	.0	.0	)	, n	•0	•0	.0		.0	•0	
5-6	.0	.0	•0		.0	•0	.0		•0	•0	.0	.0		•0	.0	
7	•0	.0	•0			.0	.0		•0	•0	.0	.0		.ŏ	.0	
8-9	٥.	.0				.0	.0		.0	.0	.0	.0		.0	.0	
10-11	٥.	.0					·ŏ		.0	.0	.0	.0		.0	.0	
17-16	.5					.0	.0		.0	.0	.0	.0		.0	.0	
17-19	.0	.0			.0	.0	.0		•0	•0	.0	.0		.0	.0	
20-72	.0	.0				.0	.0		• 2	•0	.0	.0		.0	•0	
23-25	. 3	.0				•0	.0		•n •0	.0	•0	.0		ŏ.		
26-32		.0				.0			: ``	.0	•0			.0	.0	
33-40 41-48	.0	.0				.0			• >	.0				.0	.0	
49-50	:3	.ŏ				.0	.0		•0	.0				.0	.0	
61-70	, č	.0				.0	.0		•0	.0				•0	.0	
11-86	. 0	.0				•0	• 0		•0	.0				.0	.0	
87+	.0	.0				.0	.0		.0 .0	2.6				.0	2.6	93.8
TOT PCT	.0	.0	•0	.0	.0	.0	• 0	,	• ' •	6,17	•0	••	•••			
						HIND	SPEED	(KTS)	VS SEA HE	IGHT (	FT)					
					HET	0-3	4-10	11-21	22-33 3	14-47	48+	PCT	TOT			

	#1ND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.4	10.4	.0	.0	.0	.0	20.8	
l-i	2.1	41.7	6.3	.0	.0	.0	50.0	
3-4	2.1	10.4	8.3	.0		.0	20.8	
5-6			6.3	. 7		.0	1.3	
770				.0		.c	0,0	
8-9	.ŏ	ě	.5	.0		.0	.0	
		•0	.c	ŏ		.0	.0	
10-11	•9							
12	.0	•0	.0					
13-14	.0	.0	.0			.0	.0	
17-19	.0	.0	•0	•0			•0	
20-22	.0	.0	.0	• • •		.0	.0	
23-25	.0	.0	.0	.0		. 0	.0	
20-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0			.0	.0	
41-48	.ŏ	.0	.0				.0	
			.0				.0	
49-60	.0							
61-70	•0	•0	.0					
71-86	.0	.0	•0				.0	
27+	.0	.0	.0	0	0	-0	•0	
								48
TOT PET	14.6	62.5	22.9		0	.0	100.0	

TABLE 19 PERIOD: (OVER-ALL) 1950-1971 PPRCENT PREQUENCY OF MAVE MEIGHT (FT) VS MAVE PERIOD (SECONDS) PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 23-40 41-48 49-60 61-70 71-66 .0 55 .0 6 .0 1 .0 1 .0 0 .0 0 .0 6 .0 6 .0 100.0 7.2 .0 .0 .0 .0 .0 .0 11 15.9 0000000000 .000000000 ...... 0000000000 34.8 .0 .0 .0 .0 .0 .0 .0 24 30.4 4.3 .0 .0 .0 .0 .0 24 5.8 1.4 .0 1.4 .0 .0 .0 .0 .0 .0 .0 0000000000 000000000 000000000 0000000000 2.9 ...... ......... 0000000000 0000000000

PERIOD: (PRIMARY) 1905-1972 (OVER-ALL) 1857-1972

(

•

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.75 106.6E

PERCENT	FREQUENCY	o۲	MEATHER	OCCUPRENCE	BY	WIND	DIPECTION
---------	-----------	----	---------	------------	----	------	-----------

			•	RECIPI	TATIC	N TYPE					DTHEF	HEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	TR7L	FPIG PCPN	SNDF	OTHER FRZN PCPN	HAIL	PCPN 17 G6 TIME	PCPN PAST Heur	THOR LTNG	PCP4 보다 무답G	FOG WC PCPN PAST HR	STAH STAH	SPRAY BLWG DUS BLWG SNO	
N	27.3	.0	36.4	.0	.0	.0	.0	63.6	.0	.0	18.2	.0	.0	.0	18.2
NE	.0	.0	.0	.0	.0	.0	.0	٠.	1.9	.0	11.5	.0	.0	.0	86.5
E	.0	1.9	.0	.0	.0	.0	.0	1.9	2.2	5.6	6.3	.0	.0	.0	84.1
\$£	.0	2.4	.0		.0		.0	2.4	.0	2.4	1.5	.0	.0	.0	93.6
Š	11.9	.0	.0	.0	.0	.0	.c	11.9	•0	7.1	.0	.0	.0	.0	86.1
Św	26.8	.0	.0	.0	.0	.0	.0	25.8	14.5	12.2	• 2	, C	.0	.0	53.7
Ŵ	.0	.0	.0	.0	.0	.0	·C	.0	.0	.0	.0	.0	.0	.0	100.0
N⊫	20.0	.0	.0	.0	.0		.0	20.0	•c	.0	.0	.0	.0	.0	80.0
VAR	.0	.0	.0	.0	. 3			• • •	.5	.0	.0	•0	.0	•0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	٠.٥	.0	.5	.0	.0	.0	100.0
TOT DBS:	2.7 187	1.6	.5	.0	.0	•0	-0	4.8	2.1	4.3	4.3	•0	•0	.0	85.6

TABLE 2

PERCENT FREGUE	NC Y	DF.	PEATHER	DCCURRENCE	BY	HOUR
----------------	------	-----	---------	------------	----	------

			•	RECIPI	CLTAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	PAIN	RAIN SHWR	PAZL	FRIG PCPH	SNOK	OTHER FRZN PCPN	441.	PCPN AT BPIT BC	PEPH PEST HOUR	THOR LING	FDG #3 PCPN	FOG WO PCPN PAST HP	SMOXE	SPRAY PLWG DUST BLWG SNOW	ND S14 Wea
00603 06609 12515 18621	4.7 2.2 2.4 3.0	4.7 2.2 2.4 .0	.0 .0 .0	.0	.0	.00	.0000	9,3 4.3 4.9 4.5	7.0 .0 2.4 .0	2.3 2.2 .0 9.0	7.0 .0 .0 7.5	.0	.0	.0	76.7 93.5 92.7 80.6
TOT PCT TOT CBS:	3.0 197	2.0	.5	.0	.0	•0	.0	5.6	2.0	4.1	4.1	•c	•0	•0	85.3

TASLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w11	D SPE	ED (KND	3T5 '								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48-	TOTAL JBS	PCT FRF2	SPD	gn	03	05	9	12	15	16	21
NE E	.5	3.6	1.0	.0	.0	•0		1.2 5.3 37.5	5.8 7.3 9.2	1.4 1.0 39.9	6.3 37.5	3.5	1.1 6.5 25.3	1.2	.0 .0	12.5	7.7 55.1
\$F S	1.2	26.1 24.6 5.6	10.4	.9	•0	• 0		37.1 7.0	9.7	41.2	31.3	34.1 35.0 9.3			36.4	39.9 32.2 8.4	26.9
ŠW	.1	2.6	.7	.0	.0	.0 .0		3.5	8.8	7.1 1.4	18.8	5.7	• 0	1.8	•0	.7	1.3
NH VAR Calm	.0	1.5	.0	.0	•0	.0		2.2	5.5	1.4	•0	2.7	3.3 .0 2.2	2.4	•0	1.9	1.9 .0 3.8
TOT CBS	46 8.5	359 66.1	132	1.1	.0	.0	543	100.3	8:7	1.4 74 100.0	.0 8 100.0	2.2 137 100.0	46	2.4 85 100.0	100.0	2.9 104 100.0	75

TABLE 3A

		WIND	SPEED	(KNOTS)						Hau	(GHT)	)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN SPD	00 03	06 09	12 15	18 21
								• •	•••	• • •	••	••
N		. 4	.0	.0	.0		1.2	5.8	1.2	2.0	.0	1.1
NE	2.7	2.5		.0	.0		5,3	7.3	1.5	4.2	1.0	10.4
F	10.9	25.9	2.8	٥٠	.0		39.5	9.2	39.6	32.7	19.3	45.4
37	10.3	22.8	4.0	.0	.0		37.1	9.7	40.2	37.7	46.6	29.9
5	4.1	2.9	.0	.0	.0		7.0	6.8	5,5	9.2	6.3	5.9
\$w	1.1	2.2	• 2	.0	.0		3.5	8.8	8.2	5.3	1.6	. 4
¥	. 9	.9	.0	.0	.0		1.8	7.0	1.2	3.8	1.0	.5
NW	1.6	.6	.0	.0	.0		2.2	5.5	1.2	2.9	2.1	1.9
VAR	.0	.0	.0	.0	.0		9.	.0	.0	.0	-0	.0
CALH	2.4						2.4	.0	1.2	2.2	2.1	3.3
TOT DRS	189	316	38	0	0	543		8.7	02	183	96	182
TOT PCT	34.5	58.2	7.0	-0	- 0		100.0		100.0	100.0	100.0	

PERIOD: (PRIMARY) 1905-1972 (OVER-411) 1857-1972

TARLE 4

AREA 0004 NORTHWEST JAVA SEA 3.75 106.6E

				WIND	SPEED (	KNOTS			PET	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	OBS
60203	1.2	3.7	64.6	26.8	3,7	.0	٠.	9.6	100.0	88
90300	2.2	7.7	59.6	30.6	.0	.0	. 0	9.0	100.0	183
12615	2.1	6.3	77,9	17.7	1.0	.0	.0	8.1	100.0	96
18621	3.3	2.5	69.8	20.3	1.1	. 0	. 2	8.2	100.0	192
TOT	13	33	359	132	6	Ö	O	8.7	• • .	543
DCT	1.4	6. :	65.3	24.3	1.1	.0	.0		100.0	

TABLE 5

TABLE 6

í	CT FRE				ECTION					PERCENTAGE FREDJENCY OF CEILING METGATS (FT,NM >4/8) AND OCCURRENCE UF NM <5/8 BY MIHO DIRECTION								
WND DIR	0-2	3-4	5-7	8 & 08500	TCTAL CBS	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3100 4499	5000 6499	6500 7999	4000+	NH C5/8 ANY HGT	
N	.0	.0	.0	.8		8.0	•0	•0	•0	.0	.0	.0	.0	•0	•0	.0	. 8	
NE	1.0	1.3	.3	.0		3.1	•0	.0	• 0	.0	.0	.3	.0	•0	•0	.0	2.3	
E	10.7	10.5	15.1	2.6		4.0	•0	.0	•0	.0	2.6	4.3	2.0	• 0	•0	• 0	29.8	
ŠE	8.7	11.7	15.3	1.8		4.2	•0	• 0	1.0	2.0	1.6	3.6	.0	1.0	•0	.0	28.1	
Š	1.0	2.0	. 8	2.8		5.4	.0	• 0	:.3	• 0	. 6	. 8	٠,0	•0	•0	•0	3.0	
ŠW	.0	1.0	2.3	4.1		6.6	•0	•0	. 6	1.0	3.1	. 3	.0	• 0	•0	.0	2.3	
н	.0	.0	2.0	•0		7.0	•0	.0	.0	.0	.0	1.0	.0	•0	.0	.0	1.0	
NW	.0		1.0	.3		6.4	• 0	.0	.0	. 0	.0		.0	•0	•0	.0	1.3	
VAR	.0	.0	•0	•0			•0	•0	.0	•0	.0	.0	.0	• 0	•0	.0	•0	
CALM	2.0		1.0			3.0	•0	.0	.0	.0	.0	. 0	.0	•0	•0	.0	3.1	
TOT UBS	23	26	37	12	98	4.4	ő	ň	. 3	Š	ă	iŏ	- 2	i	10	• 6	71	98
TOT PCT	23.5	26.5	37.8	12.2	100.0		• 0	· e	3.1	3.1	8.2	10.2	2.0	1.0	•0	•0	72.4	100.0

TABLE 7

# CUMULATIVE PCT FREG OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NM >4/4) AND VSBY (NM)

				VSBY (NH	1)			
CEILING	■ CR	- OK	• DR	- OR	<ul><li>CR</li></ul>	⇒ CR	- CR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- PR >6500	.0	•0	.0	.0	.0	.0	٠.5	.0
• ∏R >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<ul> <li>€ ER &gt;3500</li> </ul>	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
• GR >2000	9.7	12.6	12.6	12.6	12.6	12.6	12.6	12.6
■ CR >1000	14.6	19.4	20.4	20.4	20.4	20.4	20.4	20.4
■ DR >600	17.5	23.3	24.3	24.3	24.3	24.3	24.3	24.3
■ DR >300	17.5	25.2	27.2	27.2	27.2	27.2	27.2	27.2
■ DR >150	17.5	25.2	27.2	27.2	27.2	27.2	27.2	27.2
■ DR > 0	17.5	25.2	47.2	27.2	27.2	27.2	27.2	27.2
TOTAL	10	26	2.0	28	28	28	78	28

TOTAL NUMBER OF DEST 103

PCT FPEQ NH <5/8: 72.8

TABCE 7A

## PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD TOTAL 085 6.3 15.2 16.8 15.4 18.8 7.1 9.6 4.5 6.5 .0 112

(

}

187

• )

.7 .0 2.7 100.0

	031-17						· A 7						3.	۰
		P	EKCENT		OF WIN								E OF	
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0		
	TUT 'S	٠.	.0	.0	. 9	•0	•6	'n	. C	.0	•0	.0		
	PCP	.0	.0	.0	.0	•0	•0	.0	.c	.0	•0	.0		
1/2<1	NO PCP	.0	.0	.5	.5	• 0	• 0	.0	.0	.0	•0	1.1		
	TOT %	.0	.0	. 5	.5	•0	.0	.0	.0	.0	•0	1.1		
	PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	•0	.0	.0	.0	.0	• 0	.0		
	PCP	.0	.0	. 3	.3	.4	.7	.0	.0	.0	•0	1.6		
2<5	HO PCP	.0	. )	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT \$	.0	.0	. 3	. 3	.4	.7	.0	.0	.0	•0	1.6		
	PCP	.,	• 0	. 5	.5	٠3		.0	.0	.0	.0	2.7		
5<10	NO PCP	.5	3.7	6.0	7.5	1.9	. 8	. 3	. 0		1.1	24.1		
	TOT %	1.1	3.7	8.6	8.0	2.1	1.6	. 5	.0	.0	1.1	25.7		
	PCP	.4	.0	.0	.0	.0	•0	.0	.1	.0	.0	. 5		
10+	NO PCP	.0	3.2	33.4	24.5	3.1	3.2	. 5	. 5	.5	1.6	70.1		
	TOT %	. 4	3.2	33.4	24.5	3.1	3.7	. 5	.7		1.6	70.6		
						-		-		• •				

TOT CAS TOT PCT 1.5 7.0 42.8 33.3 5.6 5.5 1.1

TABLE 9

VS8Y	SPD	N	NE	Ε	SE	S	SW	*	NW	1440		PCT	
(NH)	KTS								NW	VAR	CALM	PEI	TOTAL
	0-3	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
<b>41/2</b>	4-10	•0	.0	.4	• 7	•0	.0	٠0	•0	•0		1.1	
	11-21	.0	.0	•0	• 4	•0	.0	.0	.0	.0		. 4	
	22+ 10T %	.0	.0	.0	.0	•0	.0	•0	•?	.0	_	0	
	101 %	.0	.0	• •	1.1	•0	•0	•0	.0	.0	.0	1.5	
	0-3	.0	.0	.0	•0	•0	•0	.5	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	• 4	• 4	•0	.0	.0	٠,٥	•0		.7	
	11-21	.0	.0	.0	.0	.0	• :	.0	• 3	.0		.0	
	22* TOT %	٠.0	-0	•0	٠,	•0	.0	•6	•0	•0	_	.0	
	101 3	•0	.0	.4	.4	.0	.0	.0	.0	.0	.0	• /	
	0-3	.0	.0	• 0	.0	.0	•0	.0	.0	.0	.0	.0	
1<2	4-10	.0	•0	•0	.0	•0	.0	•0	.0	.0		.0	
	11-21	.0	.0	•0	•0	٥.	.c	٠c	٠.0	•0		.0	
	22+	.0	•0	•0	•0	•0	.0	•0	.0	.0	_	.0	
	101 %	.0	-0	•0	•0	•0	•0	.0	.0	.0	•0	.0	
	0-3	.0	.0	•0	•0	٠0	.0	.0	. 9	.0	.0	.0	
2<5	4-10	.0	.0	.2	• 2	.3	.5	٠0	• • •	.0		1.1	
	11-21	.0	.0	•0	•0	•0	•0	•0	.0	.0		.0	
	22+ TOT \$	•0	•0	•0	•0	•0	٠.	٠,	.0	.0		0	
	101 %	•0	.0	.2	•5	.3	. 5	.0	.0	.0	.0	1.1	
	0-3	.5	.2	•2	•2	.0	.0	.0	•0	.0	.7	1.8	
5<10	4-10	.2	2.0	5.3	3.5	1.3	.9	• •	.0	.0		13.5	
	11-2.	.0	• •	• •	2.5	.2	.2	•0	.0	.0		3,6	
	22+	.0	0	0	.0	0	. • 0	.0	.0	.0	_	0	
	TOT %	.7	2.5	5.8	6.2	1.5	1.1	. 4	.0	.0	.7	18,9	
	0-3	•0	9	2.2	7	. 5	.0	.0	•0	.0	1.5	5.8	
10+	4-10	.3	3.3	24.6	20.0	1.9	1.1	• •	. 5	.0		52.0	
	11-21	•0	• •	9.7	7.4	.9	1.3.	٠.٥	.0	.0		19,6	
	22+	.0	.0			.0	.0	.0	٠0	•3			
	TOT #	.3	4.5	36,5	28.5	3.4	3.4	.4	. 5	.0	1.5	77.8	
	TOT OBS		_					_					27
	rot Pt"	1.0	7.1	42.3	36.3	5.1	3.9	•7	. 5	.0	2.2	100.0	

**7**9

JULY

PERIUD: (PRIMARY) 1905-1972 (GVER-ALL) 1857-1972

TABLE 10

PREM 0004 NURTHWEST JAVA SEA 3.75 106.6E

PERCENT	FFEQUENCY OF	CEILING	HEIGHTS	(FEEL) H	>4/81	AND
	Of CURRE	NCC OC N	u /5/8 e.	LOUB		

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	9500 4999	5000 6499	6500 7999	10004	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	.0	•0	7.4	18.5	14.8	.0	.0	.0	••	40.7	59.3	27
03609	.0	.0	•0	3.3	6.7	13.3	3.3	.0	.0	•0	26.7	73.3	30
12215	.0	.0	1.3	.0	.0	•0	.0	4.2	.0	•0	12.5	87.5	24
18031	.0	.0	3.3	3.3	3.2	6.7	3.3	.0	.0	•0	20.0	£0.0	30
TOT PCT	.0	.0	2.7	3.6	7.2	10 9.0	1.8	.9	.0	•0	28 25• <b>2</b>	83 74+8	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V584	(NN)	ay Hour		CUMULAT					VSBY (NH) 1,87 HOUR	
HOUR (GHT)	<b>&lt;</b> 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HDUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	1.9	1.9	• າ	3.8	20.8	71.7	53	00803	•0	-0	12.0	32.0	56.0	25
90330	1.6	.0	.0	.0	23.0	75.4	61	90360	.0	.0	3.6	25.0	71.4	28
12615	1.6	.0	-0	.0	17.5	81.0	63	12615	,0	9.1	9.1	4.5	86.4	22
18621	.9	.9		.9	17.0	79.6	108	10521	•0	3.6	7.1	14.3	78.6	28
TOT PCT	1-4	.7	.0	1.1	55 19.3	221 77.5	285 100.0	TOT PCT	•0	2.9	7.8	20 19.4	75 72.8	103 100.0

TABLE 13

TABLE 14

	PERC	EN! FR	EOUENC	Y DF R	ELATIVE	HUM10	ITY B	Y TEMP	TOTAL	рет		PERC	ENT FR	EQUENCY	7 DF W	IND DI	RECTION	1 BY T	EMP	
TEMP F	0-29	30-39	4 1-49	50-59	60-69	70-79	80-89	90-100		PREQ	N	NE	E	SE	\$	SW	W	NW	VAR	CALM
90/94 25/89 80/64 75/79	.0	.0	•0	٠0	1.4	.7 4.3 40.0	.0 40.0 5.0		1 9 118 11	.7 6.4 84.3 7.9	.0 .7 1.3	.0 .7 6.1	2.7 36.8	2.3 30.9	.5 .0 3.8 1.8	.2 .7 .4 3.9	.0 .0 1.4	.0 .7 .2	.0	.0 3.6
70/74 TOTAL PCT	0.0	0.0	0		5	45.7	.7 64 45.7		140	100.0	•0 2•0	6.8	39.5	.0 33.9	.0 6.1	.7 5,9	.0 1.4	.0	•0	.0 3.6

TABLE 15

TABLE 16

	MEANS,	EXTREM	S AND	PERCEN	ITTLES	OF TE	MP (DE	G F) !	BY HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE HU	YTIGIK	BA HOUI	
HOUR (GMT)	MAX	99%	95%	50%	51	18	MIN	MEAN	TO\AL	HOUR (GMT)	0429	30-59	60-63	70-79	80-89	90-100	HEAN	TOTAL DBS
00203 06609 12615 18621	88 91 85 87	87 90 84 84	85 87 84 83	82 53 82 82	77 79 79 80	73 76 76 77	73 76 76 77	81.8 83.0 81.5 81.5	81 180 96 188	00603 06609 12615 18621	•0	•0	3.0 5.7 .0 3.8	42.4 60.0 44.8 32.1	48.5 28.6 48.3 62.3	6.1 5.7 6.9 1.9	79 78 81 80	33 35 29 53
101	91	38	85	82	79	76	73	85.1	545	TOT	0	0	5	65	73	7	80	150

PERIOD: (PRIMARY) 1905-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA COO4 NORTHWEST JAVA SFA 3.75 106.6F

PCT FRED OF AIR TEMPERATURE (DEG F) ANN THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE (DEG F)

AIR-SEA	73	77	81	85	89	ימז	W	wa
THE DIE	76	80	84	69	92		FOG	FCG
6	.0	•0	1.2	.0	.0	2	•0	1.2
5	.0	.0	. c	.6	. 6	ž	·c	1.2
	.0	•0	. 5	3.0	.0	5	•0	3.6
2	. 6	.0	6.7	.0	.0	12	.0	7.3
ī	.0	·ŏ	6.7	1.8	. 6	14	.6	7.9
0	.ò	.0	17.6	1.2	.0	31	1.5	17.0
-ĭ	.0		18.2		.0			
				1.2		33	1.8	18.2
-2	.0	4.2	13.9	• 0	.0	30	• 0	18.2
-3	.0	3.0	5.5	• )	.0	14	• 0	8.5
-4	٠.	3.6	3.6	.0	.0	12	.0	7.3
-5	.0	•0	1.8	. C	.0	3	• 0	1.8
-6	.6	.0	.0	.c	.0	ī	.0	.6
-7/-6	1.2	1.2	. 0		.0	Ĭ.	.0	2.4
-9/-10	.6	• 0	.0	.0	.0	1	• 0	. 6
TOTAL	- 5		125	• -	1	•	7	158
	•	21	,	12	•	144	,	150
				13		165		
PCT	3.0	12.7	75.8	7.9	.6	100.0	4.2	95.8

PERIOD: (DVER-ALL) 1963-1977

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	• 0	.0	.0	.0	۵.	.0	.0	.0	. 5	.0	•0	•0	.0	.5	
1-2	. 3	.0	•0	-0	.0	.0	•0	.0	. 5	1.3	. 0	• 3	.0	2.3	
3-4	.0	1.4	.0	-0	.0	•0	1.4	,0	.0	.0	.0	.0	.0	.0	
5-0	.0	.0	.0	•0	• າ	•0	•0	.0	.0	.0	.0	• 0	.0	•0	
7	.0	.0	.0	.0		.0	•0	• 0	.0	.0	.0	•0	.0	.0	
8-9	. 0	.0	•0	-0	• າ	•0	.0	• 2	.0	.0	• 0	•0	.0	•0	
10-11	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	• 0	• 0	. 0	.0	
12	.c	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0	
13-16	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
17-19	.0	.0	•0	.0	.0	.0	.0	•0	• 0	.0	.0	• 0	.0	•0	
20-22	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	.0	•0	.0	•0	
23-25	.0	.0	•0	.0	.0	.0	•0	•0	.0	• 0	. 5	•0	.0	•0	
26-32	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	•0	• 0	.0	•0	
3: -40	.0	.0	•0	•0	•0	.0	.0	•0	• 0	.0	.0	• 0	.0	•0	
41-48	.0	•0	•0	.0	•0	.0	•0	•0	•0	•0		•0	.0	.0	
49 -60	.0	.0	•0	.0	•0	٠.	•0	,0	.0	.0	•0	•0	.0	•0	
61-70	.0	.0	•0	•0	•0	.0	•0	•0	•0	.0	.0	• 6	.0	.0	
71-96	.0	.0	.0	.0	•0	.0	•0	• າ	•0	.0	.0	•0	.0	•0	
87+	.0	.0	•0	.0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	
TOT PCT	.0	1.4	•0	.0	•0	.0	1.4	•0	.9	1.5	.0	•0	.0	2.7	
				_											
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1+3	4-10	11-21	SE 22-33	34-47	48+	PCT	
<1	1.8	4.5		.0	.0	•0	6.4	•••	5.9	.0	•0	•0	.0	5.9	
ì-2		9.5	1.8	.0	.0	.0	11.4	.0	11.8	1.8	.0	.5	.0	13.6	
3-4	ă	6.4	15.0	.0	.0	.ŏ	21.4	ŏ	5.0	3.2	1.8	.0	.0	10.0	
5-6	.ŏ	٠.۵	3.2	.ŏ	ĕ	.ŏ	3.2	ŏ		4.1	•:0	.0	ŏ	4.1	
7	.0	.0	.0	.0	.0	.0	.0	ñ	.0	1,6	.,	• 0	.0	1.8	
8-9	.0	.0	.0	.0	,0	.0	.0	.0	.5		.0	•0	.0	•0	
10-11	, ŏ	.0	•0	.0	.0	.0	.0	ŏ	.0		.0	.0	.0	.0	
12	.0	.o	.0	.0	'n	.0	.0	.0	. 0	.0	.5	.5	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	•0	.0	•0	
17-19	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
23-25	. 0	.0	•0	•0	.0	.0	•0	.0	.0	.0	• 0	•0	40	.0	
26-32	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	,0	•0	
33-40	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0	.0	.0	,õ	•0	
41-48	.0	.0	.0	•0	.0	.0	• 0	.0	.0	.0	.0	•0	.0	.0	
49-00	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	•0	
61-70	.0	.0	•0	.0		.0	•0		.0	.ŏ	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0	•0	.0	.0	ŏ	.0	.0	.0	.0	
87+	.0	.0	•0	.0	.0	.0	•0	ō	.0	.0	.0	•0	.0	.0	
TOT PCT	1.8	20.5	20.0	•0	.0	.õ	42.3	.0	22,7	10.9	1.8	•0	.0	25.5	
				. •				• -							

JUCY

PERIOD: (OVER-ALL) 1963-1972

AREA 0004 NORTHWEST JAVA SEA

rentop.				.714				TABLE 18 (CONT	)					75 106	.6E
				PC	T FRED (	DF WIND	SPFED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	5 27-33	34-47	43+	PCT	1-3	4-10	11-21	5H 22=33	34-47	40+	PCT	
<1	•0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
1-2	•0	2.7	.0	•0	.0	•0	2.7	•0	6,4	.0	•0	• 0	.0	6.4	
3-4	.0	1.4	.0	.0	٠.	•0	1.4	.0	.0	1.8	•0	•0	•0	1.8	
5-6	.0	.0	•0	.0	.0	٠.	•0	•0	•0	.0	•0	• 6	.0	•0	
	•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0	
8-9	.0	.0	•0	.0	.0	•0	9.0	••	.0	• 0	•0	•0	.0	.0	
10-11	•0	.0	•0	•0	.0	•0	٠,	•0	•0	.0	•0	•0	.0	•0	
12	.c	.0	•0	•0	•0	.0	.0	•0	.0	.0	•0	• 0	.0	.0	
13-16 17-19	.0	.0	•0	.0	.0	•0	.0	•0	• (•	• • •	.0	•0	٠.٥	٠,	
20-22		,0	•0	•0	٠.	.0	.0	•0	.0	•0	•0	•0	•0	.0	
23-25	.0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0	•0	•0	.0	
26-32		.0	•0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	•0	
33-40	.0	.0	•0	.0	.0	.0	.0	0.0	.0	.0	٠,	•0	.0	•0	
41-48	ě	.0	•0	.0	.0	.0	:0	.0	.0	•0	•0	•0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	
61-70	.0	.0	•0	•0	.0		.0	ő			•0	.0	.5	•0	
71-86	ě	::	.0	:0	.0	:0		ě	:0	.0	•0	:ŏ	.ŏ	.0	
87+	.0		.0	.ŏ	.0	.0		ě	.0		.0	.0	ŏ	:0	
TOT PCT	.0	4.1	•0	•0	.0	.0	4.1	i e	6.4	1.8	•0		.0	8.2	
- •			• •		••			• •		•••	•••	•••	••		
=				٧							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48◆	PCT	1-3	4-1C	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	0	•0	•0	•0	•0		•^	.0	.0	•0	•0	٠.	•0	
1-2 3-4	•0	1.,	•0	.0	.0	•0	1.6	•0	٠.	.0	.0	•0	.0	•0	
5-6	.0	.ŏ	•0	.0	.0	.0	•6	.C	.5	• 0	•0	•0	٠.	• 5	
77	ě	.0	.0	••	.6	:0	.0	ö	.ŏ	•0	••	•0	.0	.0	
8-9	.0	.ŏ	.0	.0	.0	:0	.0	í	ě	:0	.0	•0	.0	.0	
10-11	.0		.0	.0	.0	:0	.0	ő	.0	:ŏ	•0	•0	.č	•0	
12	.0	.0	.0		.0			ž	.0		.0	.0	.ŏ	ě	
13-16	.0	.0	.0	.0	.ö			, c	.0		.c	.0	.0	ě	
17-19	.0	.0	.0	.0	.0	.0	.č	Ö	,c	.ŏ		•0			
20-22	٠,٥	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	•0	.0	, n	.0	.0	.0	.0	• 0	•0	•0	.0	.0	
26-32	•0	.0	•0	.0	. n	٠,	.0	•0	. u	.6	.0	•0	.0	.0	
33-40	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	•0	•0	.0	.0	
41-48	.0	.0	•0	•0	. 0	.0	.0	•0	•0	.0	.0	• •	.0	.0	
49-60	.0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0	•0	.0	.0	
61-70	•0	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	•0	.0	.0	
71-86	.0	.0	•0	•0	• 6	.0	.0	••	,0	.0	.0	.0	.0	.0	
87+	.0	.0	•0	.0	.0	•0	.0	•0	•0	•0	•0	•0	.0	.0	
TOT PCT	.0	1.8	•c	•0	.0	•0	1.8	.0	.5	.0	•0	•0	•0	. 5	96.4

PERIODI (OVER-ALL) 1949-1972

TABLE 19

					PFRCENT	FRE	OUENCY (	OF WA	AE HEI	GMT (F	T) V5	MAVE P	EKIDD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	:3-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.1	27.3	22.1	9.1	1.3	.0	•0	.0	0		) ;0	.0	.0	.0	.0	.0	.0	.0	.0	53	3
6-7	•0	.0	7.8	6.5	.0	1.3	.0	.0	0		; ; 0	.0	.0		.0	.0	.0	.0	.0	12	4
8-9	.0	1.3	.0	.0	.0	.0	1.3	.0	0	(	0	.0	.0	.0	۰,	.0	.0	.0	.0	2	6
10-11	.0	.0	.0	.0	.0	.ŏ	.0	.0				.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	. o	.0	.0	0	.0	; 0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	. (		.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	7.8	3.9	1.3	.0	.ŏ	ĬĠ	ů.	. 5		. 0		.0	.0	.0	.0	.0	.0	.0	.0	10	1
TOTAL	13	25	24	12	Yi.	,	- 1		0		0	0	0	0	٥	٥	0	0	٥	77	•
PCT	16.9	32.5	31.2	15.6	1.3	1.3	1.3	.ŏ				.õ	.ŏ	٠ŏ	•0	.ō	٠.٥	٠ŏ٠	.ŏ	100.0	

AUGUST

PERIODI (PRIMARY) 1906-1972 (OVER-ALL) 1858-1972

( (

TABLE 1

AREA 0004 HORTHWEST JAVA SEA 3.65 106.65

				OCCURRENCE	•		
PERLENI	PREMUERVI	UF	PERIOR	DUCUNNENCE	61	W 1 . 1 U	DIVECTION

			•	RECIPI	TATION	TYPE			OTHER WEATHER PHENOMENA							
WND CIR	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SHOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUS BLWG SNI		
N NE E SE Sh H Nh VAP Calh	.0 1.0 2.5 9.7 .0	.0 .7 .5 .0 .0 .0 .0 .0	.0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000	.0 1.7 3.0 9.7 .0	.0	1.4 2.0 .0 .0 .0	1.0	.00	.0 1.4 .0 .0 .0	.0 .0 .0 .0 .0	100.0 93.0 95.5 92.9 90.3 100.0 100.0	
TOT PCT TOT CBS:	2.0 201	.5	.0	•0	.0	.0	•c	2.5	•5	1.5	1.0	•0	.5	•0	94.0	

TABLE 2

DEDCENT	CREALBURY	0.0	MERTHER	DECHIOCOLCE	 HOUR

			•	RECIPI	TATIO	N TYPE			OTHER WEATHER PHENOMENA							
HOUR (GHT)	PAIN	PAIN SHWR	PR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT GB TIME	PCPN PAST HOUR	THOR	FOG NO PCPN	FGG WB PCPW PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW		
00603 06609 12615 18621	2.0 4.3 4.3	2.0 2.1 2.1	.0	.0	.0	.0 .0	.0 .0 .0	4.0 6.4 6.4	.0 .0 .0	2.0 .0 2.1 1.5	.0 2.1 1.5	.0	2.0 .0 .0 1.5	.0 .0 .0	90.0 93.6 89.4 95.5	
TOT PLT TOT CBS:	2.4 211	1.4	.0	•0	.0	•0	•0	3.4	•9	1.4	.9	•0	.9	•0	92.4	

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WII	ND SPEI	ED EKNE	DTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL CBS	PCT FRFQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	.2 1.1	4.5	1.0	.0	•0	.0		6.6	5'.6 7.5	3.9	3.3	9.5	•0	1.1	.0	1.3	1.0
E Se	1.7	23.2	9.0	.0	.0	.0		34.0	8.7	31.7	23.3	29.3	28.6	35.1	40.0	42.0	35.8
S	2.5	29.7 5.4	.6	.3	•0	•0		6.7	6.7	54.5 4.9	70.0	51.4 8.3	65.9 5,6	43.1	•0•0	34.2 4.6	6.7
SH	.0	.7	.7	.2	•0	•0		1.6	12.5	2.0	•0	3.5	.0	1.1	•0	1.7	1.0
Nu Var	.2	.3	.c	.0	.0	.0		.5	4.0	.5	•0	1.6	.0	•0	•0	.8	.0
CALM	1.3	•0	•0		•0	•0		1.3	8.7	.0 1.1	•0	1.6	63	•0 •0	.0 10	1.7	3.1
TOT CBS	48 7.8	399 65.0	164 26.7	.5	•0	•0	614	100.0	8.7	100.0	100.0	127				119	97 100•0

TABLE 3A

WHO DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDU# 06 09	(GMT) 12 15	13
N	.6	. 2	•0	•0	.0			5.6	.5	. 5	1.0	1.2
NE	2.8	3.6	•2	•0	.0		6.6	7.5	3.8	1.3	7,7	11.9
Ę	10.4	23.0	.6	.0	.0		34.0	8.7	30.5	29.1	15.6	39.2
SE	12.6	32.0	9.0	.0	.0		47.8	9.4	50.7	56.2	44.7	37.5
5	3.7	3.0	.0	•0	.0		6.7	<b>•.7</b>	4.6	7.4	10.1	5.6
Sw	.3		. 5	.0	.0		1.6	12.5	1.2	2.4	1.0	1.4
W	.3	.4	•0	.0	.0			7.7	1.7	1.1	.0	.5
NW	.5	.0	.0	, o	.0		. 5	4.0	.0	1.1	.0	.5
VAR	.0	.0	.0	•0	.0		.0	.0	ŏ	.0	.o	.0
CALH	1.3						1.3	.0	1.0	1.1	.0	2.3
TOT OBS	201	387	26	0	ı	614		9:7	104	190	104	216
TOT PET	32.7	63.0	4.2	٠ŏ	.0	- •	100.0		100.0	100.0	100.0	

PAGE 280

0 9

AUGUST

PERIOD: (PRIMARY) 1906-1972 (CVER-ALI) 1858-1972

TAPLE 4

AREA 0004 NUPTHHEST JAVA SEA 3.65 100.6E

PERCENTAGE FREQUENCY OF 4140 SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (	34-47	48+	MEAN	PCT FREQ	TOTAL
00&03 06&09 12&15 18&21 TOT	1.1	9.6 6.8 3.4 6.0	67.3 54.2 69.2 71.3	72-1 37.4 26.9 19.4	.0	.0	.0 .0 .0	9.5 3.8 8.2	100.0 100.0 100.0	104 190 104 216
PCT	1.3	6.5	65.0	26.7	.5	.0	.0	3.7	100.0	614

TARLE 5

. . . . . .

	•											* 4	TREE O					
		T FREG OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN						PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
WND DIR	0-2	7_4	5-7	OBSCD	CBS	CUVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/9	
N	0	.0	.0			•0	•0	•0	.0	.0	.0	.0	.0	.0	_	_	_	
NE	1.4	1.1	1.4	.0		3.5	•0		.c	.3					•0	٠,	•0	
ε	12.4	8.0	16.2	1.9		3.9					.5	• 0	.0	•0	•0	.0	3.0	
SE	12.9	17.6	16.8	3.6			•0	•0	•0	1.6	1.6	• 5	٠.	1.1	•0	• 0	34.1	
	1.9					4.0	•0	•0	•0	4.7	1.1	. 3	2.2	•0	•0	2.2	40.4	
		. 5	1.9	•0		4.0	.0	.0	.0	.0	1.1	. 6	-10					
Sa	٠.	•0	.0	1.1		5.0	•0							-0	•0	•0	2.7	
W		.0	.0	.0				•0	• C	•0	•0	•0	1.1	•0	• • •	.0	•0	
NW	.0	.0				•0	•0	•0	•0	.0	.0	.0	٠,	•0	• 5	.0	•0	
VAR			•0	•0		•0	.0	•0	.0	.0	.0	• 0	.0	• 6				
	.0	.0	•0	• 0		• 0	• • •	. ^	.0	.0					•0	.0	• 0	
CALM	1.1	.0	.0	.0		1.0		-			•0	•0	•0	•0	•0	.0	•0	
TOT DES	27	25	33		<b>G</b> 1	3.9	•0	•0	•0	.0	.0	•0	•0	•0	•0	.0	1.1	
TOT PCT	29.7	27.5	36.3			3.7	0	٥	٥	6	4	1	3			• • • • • • • • • • • • • • • • • • • •	*74	
		67.5	24.5	6.6	100.0		•0	•0	.0	6.6	4.4	145	3.3	1.1		• • •		91

TABLE 7

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH 34/8) AND VSBY (NH)

VSBY (NK)	
CEILING + OR + OR + OR + OR + OR + OR	
(EFFT) NA NE LA COMPANIA	• DR
(PEE) 310 35 32 31 31/2 31/4 350YD	>0
• OR >6500 2.2 2.2 2.2 2.2 2.2 2.2 2.2	
- OD NEODA	2,2
	3.4
# NR >2000 4.7 7.0 7.0	6.7
	7.9
UK 21000 11.2 12.4 12.4 12.4 12.4 12.4	
# DR 3400 14 9 16 1 16 1	12.4
70 200	19.1
• DR 3150 14 9 10 1 10 1	19.1
- 60 170 1701 1701 1701 1701 1701 1701	19.1
** UK > U 10.9 19.1 19.1 19.1 19.1 19.1	
TOTAL 15 17 17 19.1 19.1 19.1 19.1	19.1

TOTAL NUMBER OF DBS1 89

PCT FREQ NH <5/81 80.5

TABLE 74

PERCENTAGE PREQ OF EUW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7		BSCD	TOTAL
14.0	12.9	22.6	20.4	10.8	5.4	2.2	9.7	2.2	.0	93

٠		٠	٠

PERIOD: (PRIMARY) 1906-1972		AREA 0004 NORTHHEST JAVA SEA
(UVER-ALL) 1858-1972	TABLE 8	3.65 106.6F

		PI	FRCE IT		OF WIND								E UF
VS8Y (NH)		h	NF	F	ŞF	s	S-	•	44	/AR	CVF~	PCT	TOTAL
	PCP	٠٠	.0	.0	.0	.0	. ^	.0	.0	.0	.0	,0	
<1/2	NO PCP	.c	. 0	.0	.0	.0	• 0	.0	.0	.0	. 5	.0	
	TOT 2	.5	• • •	.0	.5	• 0	.0	.0	• 0	.0	•0	.0	
	PCP	.c	٠.	.0	.0	•0	••	•^	.0	.0	•0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	•0	• 0	.0	•0	.0	• 2	.0	
	TOT 4	.0	.0	.5	• 3	•0	• າ	. 5	•0	•0	•0	٠.	
	PCP	٠.	.0	.0	. 5	•0	•0	•0	•0	.0	•0	, ,	
1<2	ND PCP	• C	.0	. 5	٠.	•0	• 0	.0	.0	.0	•0	.5	
	TOT %	.c	.0	.5	. 5	•0	•0	.0	•0	•0	•0	1.0	
	PCP	٠.	.0	.0	•0	•0	•0	٠,	.0	.0	.0	٥.	
2<5	NO PCP	.0	. າ	•0	•0	• 0	•0	.0	.0	•0	•0	٠,	
	TOT \$	.0	• 3	••	.0	.0	• ^	•^	۰.	•0	• 5	. 0	
	PCP	.:	."	.5	, 5	.4	• າ	.0	.0	.0	.0	1.5	
5<10	NO PCP	. 0	3.8	7.8	10.3	• 5	. 5	•0	• >	. 3	1.0	24.5	
	TOT %		3.1	4.4	10.5	.9	• 5	.0	•0	•0	1.0	26.1	
	PCP	.0	.0	.0	.5	•0	•0	.0	.0	.0	•"	.3	
10+	NO PCP	.0	3.4	27.6	36.8	3.0		. 5	.0	.0	.5	72.4	
-	TOT \$	·c	3.4	27.6	37.3	3.0	• 5	. 5	•0	•0	.5	72.9	
	TOT OBS												199
				34 4	40 4	3 0	١.٨	•	^			100 0	

TABLE 9

VSBY (NM)	SPD KTS	N	NE	E	SE	\$	S'n	h	NW	VAR	CALK	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	. 0	.0	.0	.0	٠,٥	.0	٠,	.0		.0	
	TOT %	.0	•0	•0	•0	• 0	.0	•0	.0	.0	.0	.0	
	0-3	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	•0	.0	•0	• 0	.0		.0	
	22+	.0	-0	.0	.0	.0	.0	•0	.0	.0		.0	
	TOT \$	.0	.0	•0	•0	.0	.0	.0	•0	•0	.0	.0	
	0-3	.0	.0	.3	•0	.0	.0	•0	.0	.0	.0	.3	
1<2	4-10	.0	.0	.0	. 3	.0	.0	.0	٠,	.0		. 3	
	11-21	•0	.0	•0	•0	• 0	•0	•0	.0	.0		.0	
	22+	.0	.0	•0	.0	•0	.0	.0	. 0	.0		•0	
	TOT \$	•0	•0	.3	.3	•0	.0	.0	•0	.0	.0	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	•0	.3	•0	•0	.c	•0	.0		.3	
	11-21	.0	.0	•0	.0	•0	.0	•0	.0	.0		.0	
	22+	.0	• 0	• 0	.0	• 0	.0	.0	.0	.0	_	.0	
	TOT \$	.0	•0	•0	.3	•0	•0	.0	.0	•0	•0	.3	
	0-3	.3	. 9	. 2	. 2	.0	.0	.0	.0	.0	-6	2.2	
5<10	4-10	. 2	1.1	3.2	4.3	• 5	.0	.0	.0	.0		9.3	
	11-51	.0	. 3	2.2	3.4	.0	.3	•0	.0	.0		0.2	
	22+	• 0	.0	-0	.0	•0	.0	•0	.0	٠.	_	0	
	TOT \$	.5	2.3	5.5	7.9	.5	.3	.0	•0	.0	.6	17.6	
	0-3	.0	.0	3	2.5	.3	•0	.0	.0	.0	.6	3.7	
10+	4-10	.2	4.4	23.1	26.0	3.1	•0	.3	. 3	.0		57.4	
	11-21	٠.	.5	6.3	13.0	.3	.3	.3	.0	.0		20.4	
	22+	٠.	•0			-•0	.0	•0	.0	•0			
	TOT \$	.2	4.9	29.8	41.4	3.7	.3	.3	. 3	.0	.6	81.5	
	TOT CAS		_										32
1	INT PCT	.6	7.2	35.6	49.9	4.2	.6	. 3	. 3	•0	1.2	100.0	

PACE 282

€

C

AUGUST

PERIOD: (PRIMARY) 1906-1972 (OVER-ALL) 1858-1972

TABLE 10

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PEPCENT	FREQUENCY OF	CFILING	HEIGHTS	I FEET, NH	>4/6)	AND

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	
50300	.0	.0	•0	10.7	3.6	.0	3.6	3.6	.0	3.6	25.0	75.0	28
90360	.0	•0	.0	10.5	.0	.0	5.3	.0	.0	•0	15.6	84.2	19
12615	.0	.0	.0	4.5	9.1	4.5	4.5	.0	.0	•0	22.7	77.3	22
18621	.0	.0	.0	•0	4.3	.0	.c	.0	•0	4,3	8.7	91.3	23
101	0	0	0	. 6	. 4	. 1	. 3	. 1	0	. ?	. 17	75	92

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					(MM) YESV	
HGUR (GMT)	<1/2	1/2/1	142	2<5	5<10	10+	TOTAL GBS	HOUR (CHT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8	TOTAL OBS
00803	•0	.0	1.5	1.5	15.2	81.8	66	00203	•0	•0	10.7	14.3	75.0	28
90360	.0	.0	1.9	.0	20.3	78.5	79	90360	•0	.0	10.5	5.3	84.2	19
12615	•0	.0	.0	.0	۵.0	80.0	70	12615	.0	.0	4.8	19.0	76.2	21
18821	٠,	.0	.8	.0	21.0	78.2	119	18621	•0	.0	.0	9.5	90.5	21
TOT PCT	0	.0	3	.3	65	265 79.3	334 100-0	TOT PCT	0	0	6.7	11	72	89

TABLE 13

PEPCENT FPECUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F 0-29 3C-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS FREQ

35/89 .0 .0 .0 .0 .0 9.3 2.0 2.0 .0 11 7.3
80/84 .0 .0 .0 .0 3.3 36.7 39.3 7.3 130 86.7
75/79 .0 .0 .0 .0 .0 2.0 7.3.3 9 6.0
TOTAL
0 0 0 0 10 61 63 16 150 100.0
PCT .0 .0 .0 .0 6.7 40.7 42.0 10.7

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP													
N	NE	E	SE	s	SW	W	NH	VAR	CALM				
.7	.0 7.0 1.0	2.2 31.0 1.5	4.5 40.7 3.0	4.3 .5	1.3	.0 .0	.0	.0	2.0 0.0				
1.0	8.0	34.7	48.2	4.8	1.4	. 0	.0	-0	2.0				

TABLE 15

RCENTILES OF TEMP (DEG F) BY HOUR

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	ITTLES	OF TE	HP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIOIPU	BY HOU	t
HOUR (GHT)	MAX	992	95 <b>%</b>	50%	54	12	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00603	89	66 88	85 87	82 83	79 79	77 75	77 76	81.9 82.9	106	£0300	•0	•0	27.3	43.2	40.5	16.2	82 76	37 33
12615 18621 TOT	85 84 89	84 83 67	83 82 85	82 81 82	80 79 79	78 77 78	76 73 73	81.1 31.8	105 217 618	12615 16821 TOT	•0	•0	2.8 .0 10	41.7 37.0	44.4 53.7	9.3	81, 82 80	35 54 160

AUGUST

PERIOD: (PRIMARY) 1906-1972 (OVER-ALL, 1658-1972

TABLE 17

AREA 0004 HURTHWEST JAVA SEA 3.65 100.0F

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

							-
AIR-SEA THP DIF	77 60	81 84	85 88	89 92	TOT	FCG	WD PGG
9/10	.0	.0	.6	.0	1	.0	.6
7/8	.0	•0	.0	. 6	1	.0	.6
5	.0	.0	1.2	.0	2	.0	1.2
	•0	. 6	2.3	, o	5	.0	2.9
3	.0	1.8	2.3	.0	2 5 7	.0	4.1
ž	.0	3.5	1.2	ō	8	.0	4.7
ī				ō	20	.0	11.7
ò	1.8	21.6	ő	ò	40	.ŏ	23.4
-ĭ	2.3	14.6	.õ	.0	29	.0	17.0
-ž	2.9		.ŏ	٠٥	35	.č	20.5
-ź	6	3.3	.0	٠٥	10		5.8
-4	2.9	1.8	.c	•0	8	•0	4.7
-5	1.2	• 6	.0	•0	3	.0	1.8
-6	1.2	•0	.0	•0	2	.0	1.2
TOTAL	23		13			0	171
		134		1	171		
PCT	13.5	78.4	7.6	٠.	100.0		100.0

PERIOD: (OVER-ALL) 1963-1972

(

TABLE 18

				PC	T FRED O	F WIND	SPEED	(KTS)	ND DIREC	T104 V	ERSUS S	EA HEIG	HTS (FT)		
				N	34-47	48+	PCT		1-3	4-10	11-21	4E 22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	.0	•0					.:-::	.0	.0		.5
<1	•0	.0	•0	.0	.0	.0	.0		.0	2,3	.0	.0	.0		2.3
1-2 3-4	.0	.ŏ	.0	.0	ŏ	š	.č		.5	7,4		.ŏ	ŏ		
5-6	:0		.0	.0	ŏ				'n	. 0	.0	.5	• 0	.0	.0
7		.0	.0	.0	.ŏ	.0			.0	. 0	.0	.0	• 0	.0	. 5
1-9	ö	.0	.0	.ŏ		•0	.õ		.0	.0	.0	.0	• 0	.0	.0
10-11			·ŏ		.6	.0	.0		.0	• 2	.0	.0	•0	.0	.0
12	ě	.ŏ	.0	ě	ŏ	.0	.0		ò	.0	.0	.0	•0	.0	.0
13-16			•0		.0	.0	.0		.0	.0	.0	•0	•0	.0	.0
17-19	ò	.0	.0	.5	. 5	.0	.0		.0	.0	.0	.0	•0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	• 0	.0	.0	•0	.0	.0
33-40	.0	.0	•0	.0	.0	.0	.0		•0	•0	.0	.0	•0	.0	•0
41-48	.0	.0	.0	.0	.0	.0	•0		•0	.0	.0	.0	•0	•0	.c
49-60	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	•0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	•0		•0	:0	.0	•0	•0	.0	•0
71-86	.0	.0	.0	.0	.0	.0	.0		•0	.0	•0	•0	•0	.0	•0
87+	.0	.0	•0	.0	.0	•0	•0		•0	.0	.0	.0	•0	.0	•0
TOT PCT	•0	•0	•0	•0	•0	.0	•0		•0	3.5	•0	.0	•0	.0	3,4
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	•0	.0	.0	•0	2.3		3.1	1.6	.0	•0	•0	•0	4.7
1-2	.0	14.5	6.6	.0	.0	-0	21.1		1.4	14.8	10.5	.0	•0	.0	27.0
3-4	.0	8.2	8.2	.0	.0	.0	16.4		•0	5.5	5.9	.0	•0	.0	11.3
5-6	•0	.0	•0	.0	.0	•0	•0		•0	1.6	4.7	.0	•0	.0	6.3
7_	.0	•0	•0	•0	•0	•0	.0		•0	•0	1.6	.0	•0	.0	1.6
8-9	.0	.0	•0	.0	.0	•0	•0		•0	.0	1.6	•0	•0	.0	1.6
10-11	.0	.0	•0	.0	•0	•0	•0		• 0		.0	•0	•0	:0	•0
12	.0	.0	•0	.0	•0	•0	•0		.0	.0	•0	.0	•0	:0	•0
13-16	•0	.0	.0	.0	.0	•0	•0			Ü	.0	.0	:0	.0	.0
17-19	•0	.0	.0	.0	••		•0		.0	ŏ		.0	•0	ĕ	.0
20-22	.0	.0	•0	.0	.0	•0	•0		٠٥	ŏ	•0		.0	:0	.0
23-25	.0	•0	•0	•0	.0	•0	.0			.ŏ	:0	.0	.0	ö	.0
26-32	.0	.0	•0	.0	•0	•0	.0		ě	ö		:0	•0	:0	.0
33-40	•0	.0	•0	.0	.0	.0	•0		.0	.0	.0	.0	.0	:0	.0
41-48	٠,	.0	•0	.0	.0	.0	.0		ŏ	ě	.0		•0	.0	.0
49-60 61-70	٠,	.0	•0	.0	.0	.0	.0		ě	ö	:0		:0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		ň	ň	ň	.0	٥		.0
87+	.0	.0	•0	.0	.0	.0	• 3		ő	ő	.0		.0	.ŏ	ň
TOT PCT	.0	25.0	14.8				39.6		4.7	23.4	24.2	.0	•0		52.3

PARE 284

13

*

AUGUST PERIOD: (OVER-ALL) 1963-1972 AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E TABLE 18 (CONT) PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT c1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 20-32 41-48 49-80 61-70 71-86 87+ TOT PCT 1-3 1.3 70000000000000000000 34-47 11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 41-48 49-60 61-70 71-86 71-87 71-87 1-3 4-10 1-3 

> WIND SPEED (KTS) VS SEA HEIGHT (FT) HGT 4-10 11-21 22-33 34-47 46+ PCT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-15 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 4.6 4.6 32.3 15.4 1.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 15.4 4.6 1.5 1.5 0.0 0.0 0.0 0.0 0.0 0000000000000000000 65 TOT PCT 6.2 53.8 40.0

PERIOD: (OVER-ALL) 1949-1972

TABLE 19

PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIUD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.6	26.4	25.3	9.2	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	3
6-7	.0	5.7	10.3	.0	3.4	.ŏ	0	.0		.ŏ	10				.0	.6			.ŏ	17	3
1-7	.0	2.3	.0	.0	.0	.0	.0	.0		.ŏ	10	.0	.ŏ	.0	.0	.õ	.õ	.ŏ	.ō	2	Ž
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	1.1	.0	.0	•0	.0	.0	٠.	.0	.0	.0	•0	.0	.0	.0	.0	.0		5
INCET	2.3	2.3	1.1	1.1	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	6	2
TOTAL	6	32	34	10	4	0	1	0	0	٥	0	0	0	Ó	0	0	0	0	0	87	3
BrY	A. 9	34.4	10.1	11.5	A. 4	٠.	1.1	٠.٨	٠.	. ^	. 0	. ^	. ^		- 0	. ^		^	. 0	100.0	

PERIOD: (PRIMARY) 1906-1971 (OVER-ALL) 1854-1971

**(** 

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PERCENT PREQUENCY OF MEATHER OCCUMENCE BY WIND DIRECTION

				RECIPI	TATIC	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND CIR	RAIN	RAIN SHWR	MRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG WO PCPN	PGG WO PCPN PAST HR	HAZE	SPRAY BENG DUS BENG SNO	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠,	100.0
NE	5.6	.0	.0	.0	.0	.0	.0	5.6	•0	5.6	5.6	.0	•0	•0	83.1
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	•0	3.4	• 0	95.2
SF	1.4	1.4	.0	.0	.0	.0	.0	2.8	1.4	4.5	1.4	.0	1.7	.0	88.1
S	6.3	12.5	3.1	.0	• 0	.0	.0	21.9	.0	.0	.0	•c	• 0	.0	78.1
Š'n	14.8	.0	7.4	.0	.0	.0	.0	22.2	.0	14.8	.0	.0	.0	.0	63.0
W	.0	.0	.0	. 0	.0	.0	.c	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	•0	. č	.0	100.0	• 0	.0	.0
VAP	.0	.0	.0	.0	.0	.0	.с	.0	•0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	,c	.0	•0	.0	.0	.0	.0	. 5	100.0
TOT PCT	2.3	1.7	.6	.c	.0	.0	.0	4.7	.6	3.5	1.2	.6	1.7	•0	\$7.8

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	STYPE					OTHER	REATHER	CN3Hq	HENA	
HOUR (GMT)	RAIN	RAIN Shwr	DR7L	#RZG PCPN	WCMS	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	POG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWC SNOW	
00603 06609 12615 16621	5.1 2.6 .0 1.7	5.1 .0 .0 1.7	.0 .0 .0	•0	.c .o	.0	.0	10.3 2.6 .0 5.0	.0 2.4 .0	.0 9.8 5.0	2.6 .0 .0 1.7	.0 .0 1.7	*0 7.9 •0		87.2 89.5 87.8 86.7
TOT PCT TOT CRS:	2.2 178	1.7	.6	.0	•0	•0	•0	4.5	• •	3.9	1.1	•6	1.7	•0	87.6

TARLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIR	D SPE	EC EKNO	TS)								HOUR	(GMT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL DBS	PrT FREQ	MEAN SPD	co	C3	06	69	12	15	18	21
N NE	.5 1.4 2.3	7.5 20.5	.C .6 7.6	.0 .2	•0	.0		1.1 9.7 30.4	6.4 6.4	.5 4.6 33.8	.0 .0 28.1	1.7 4.5 29.0	7.6 25.8	9.5 30.8	10.0 60.0	1.5 16.2 32.2	1.2 18.5 28.0
ŠF S	1.9	26.2	9.8	.4	.0	0.0		38.3	8.9 8.0	36.1 13.7	46.9	39.1 12.0	47.7	44.7	20.0	37.3	23.8
Š# L	.4	2.8	1.C	.c	.0	•0		2.2	7.5	3.A 2.1	•0	6.4	4.5	3.9	•0	2.6	3.6
NW VAR	.0	.0	.2	•0	.0	•0		.8	5.5	.5	•0	1.4	.0	•0	•0	.0	1 · B
CALP TOT DBS TOT PCT	2.9 67 10.8	417 67.1	133 21.4	.6	.0	.0	621	2.9	8.0	3.1 97 100.0	100.0	3.5 144 100.0	3.0 66 100.0	2.9 103 100.0	.0 5 100.0	3.5 114 100.0	1.2 84 100.0

TABLE 34

WND DIR	0-6	wIND 7-16	SPEED 17-27	(KNCTS) 28-40	41+	TOTAL OBS	PCT -REQ	HEAN SPD	00	HBUF 06 09	(GMT) 12 15	18 21
N NE E S S W W W VAR	.9 6.4 9.6 12.5 4.2 2.1 1.4	3.2 19.9 24.0 6.2 2.1 .6	.0 .2 .8 1.8 .1 .0 .2	•0	000000000		1.1 9.7 30.4 38.3 10.5 4.1 ?.2	4.2 6.4 8.7 8.9 8.0 7.5 7.0 5.5	4.3 33.3 38.8 14.5 3.3 1.9	1.4 5.5 28.0 41.6 11.3 5.8 1.9	9.5 92.2 43.5 6.5 3.7 1.4	1.4 17.2 30.4 31.6 9.6 3.0 3.0
CALM TOT ORS TOT PCT	2.9 252 40.6	350 56.4	19 3.1	.0	, o	621	2.9	•:0	2.9 105 100.0	3.3	2.8	2.5 198

#### SFPTEMBER

PERIOD: (PRIMARY) 1906-1971 (OVER-ALL) 1854-1971

TAGLE 4

AREA COO4 HORTHWEST JAVA SEA 3.65 106.5E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				FIND	SPEEC (	KNOTS)			PCT	TITAL
HQUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREG	085
60300	2.9	7.6	65.7	22.9	1.0	.0	.0	8.2	100.0	105
06609	3.3	6.2	65.2	24.8	.5	.0	.0	8.4	100.0	210
12615	2.8	5.6	65.7	25.0	.9	.0	.0	8.5	100.0	108
18221	2.5	11.1	70.7	15.2	.5	.0	.0	7.3	100.0	198
TUT	1.8	49	417	133	•	0	0	4.0	-	621
PCT	2.9	7.9	67.1	21.4	.6	.0	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLUUD A		EIGHTHS)		1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TETAL CBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.0	.0	.0	•0		•0	•0	•0	.0	.0	.0	• 5	•0	•0	•0	.0	•0	
NE	2.9	.0	1.1	•0		2.0	•0	•0	.0	•0	.0	•0	1.1	•0	•0	.0	2.9	
E	11.2	8.0	12.1	2.3		4.0	•0	• 0	.0	1.1	2.0	1.1	1.1	• 0	.0	.0	28.2	
ŠĒ	14.7	16.1	10.9	4.6		3.7	•0	• 0	1.1	1.1	1.4	2.3	1.1	•0	•0	.0	39.1	
Š	.0	1.1	4.3	.0		6.0	•0	•0	.0	•0	2.0	•0	1.1	•0	•0	.0	2.3	
SW	. 0	.0	1.4	4.6		7.3	•0	•0	1.1	•0	3.7	• 0	.0	•0	•0	•0	1.1	
ŭ	. 0	.0	.0	1.1		8.0	•0	•0	.0	.0	1.1	.0	.0	•0	•0	.0	•0	
ÄW	10	, h	1.1	• 2		7.0	•0	• 2	, c	.0	1.1	• 0	.0	.0	•0	.0	•0	
VAR	. 0	.0	.0	•0		.0	• 0	.0	.0	.0	.0	•0	.0	•0	•0	.0	•0	
CALM	2.3	. 0	.0	•0		.5	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
TOT DES	27	27	27	ii	67	4.1	Ö	Ċ	<b>Ž</b> 2	2	io	3	4	9	0	0	66	87
TOT PCT	31.0	25.3	31.0	12.6	100.0		•0	•0	2.3	2.3	11.5	3.4	4.6	•0	•0	•0	75.9	100.0

TARLE 7

CUMULATIVE PCT FREQ	DF SIMULTAMEDUS DCCURRENCE
OF CEILING HEIGHT	(NH 54/8) AND VSBY (NH)

				VSBY (NH	3			
CEILING	• CR	- CR	• CR	• DR	- DR	= SR	■ DR	■ DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ DR >6500	.0	•0	.0	.0	. 5	.0	.0	.0
■ OR >5000	.0	.0	•0	.0	• C	.0	•0	.0
■ DR >35CO	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
● DR >2000	5.5	5.6	7.7	7.7	7.7	7.7	7.7	7.7
■ DR >1000	12.1	17.6	18.7	18.7	16.7	16.7	18.7	18.7
• DR >600	14.3	19.8	20.9	20.9	20.9	20.9	20.9	20.9
■ DR >300	14.3	20.9	23.1	23.1	23.1	23.1	23.1	23.1
• OR >150	14.3	20.9	23.1	23.1	23.1	23.1	23.1	23.1
• GR > 0	14.3	20.9	23.1	23.1	23.1	23.1	23.1	23.1
TOTAL	113	10	21	21	21	21	21	21

TOTAL NUMBER OF DESI 91

PCT FREQ NH <3/81 76.9

TABLE 74

## PERCENTAGE FREQ OF CON CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 9.1 13.1 30.3 17.2 7.1 5.1 5.1 4.0 9.1 .0 99

_	-	۴	-	 •	•

PERIOD: (PRIMARY) 1906-1971 AREA 0004 NORTHWEST JAVA SEA (QVER-AL!) 1854-1971 TABLE 8 3.65 106.3E

		P	EKCENT		CP WIN							CURRENC TY	E OF
VSBY (N4)		N	NE	E	SE	s	Sw	w	NW	VAR	CALH	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	. 0	.0	.0	•0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	,0	.0	•0	•0	.0	.0	.0	.0		
	PCP	.0	.0	•0	.0	•0	•0	.0	•0	.0	.0	.0	
1/2<1		.0	.0	.0	•0	•0	.0	٠,٥	•0	.0	.0	.0	
	TOT %	•0	۰,0	.0	•0	•0	•0	.0	•0	•0	•0	٠.	
	PCP	٠,	.0	.0	.6	.0	• 1	.0	. 2	.0	•0	.6	
1<2	NO PCP	.c	.0	.6	.6	•0	• 0	•0	•0	.0	•0	1.2	
	101 %	.0	.0	•6	1.2	•0	•0	۰.		•0	•0	1.7	
	PCP	.0	.0	.0	.0	•0	.6	.0		.0	•0		
2<5	NO PCP	.c	.c	.6	.7	1.6	. ^	.0	٠,٢	.0	.0	2.9	
	TOT %	•0	.0	.6	•7	1.6	•6	•0	•0	•0	•0	3.5	
	PCP	۰,0	6	.0	.6	2.0	.3	.0	•0	.0	.0	3.5	
5<10	NO PCP	.0	4.4	6.3	12.4	2.6	.6	.6	.6	.0	.6	27.9	
	TOT \$	.0	4.9	6.3	12.9	4.7	.9	.6	•6	•0	•6	31.4	
	PCP	.0	.0	.0	•0	.0	•0	.0	.0	.0	•0	.0	
10+	NO PCP	.7	5.4	22.7	26.7	3.1	2.5	1.2	• 0	.0	1.2		
	TOT %	.7	5.4	22.7	26.7	3.1	2.5	1.2	•0	•0	1.2	63.4	
	707 98S												172
	TOT PC:	.7	10.3	30.1	41.6	9.3	3.0	1.7	. 6	.0	1.7	100.0	

TABLE 9

VSBY (NH)	SPD KT <b>5</b>	ĸ	NE	E	SE	\$	SH	#	l. d	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	11-21	٠0	.0	•0	.0	•0	.0	.0	.0	.0		.0	
	22+	٠.	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	.0	•0	.0	•0	.0	.0	.0	.0	
	0-3	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	•0	.0	.0		.0	
	11-21	.0	.0	•0	.0	•0	.0	.0	.0	.0		•0	
	224	.0	.0	.0	.0	.0	.0	.0	٠.	.0		.0	
	TOT \$	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	• 2	.5	.0	.0	.0	.0	0		.6	
	11-21	.0	.0	• 2	•2	.0	.0	.0	.0	.0		. 3	
	22+	•0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	.0	. 3	.6	•0	•0	.c	.0	.0	•0	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	4-10	.0	.0	٠Ç	.0	•6	.3	.0	.0	.0		.9	
	11-21	•0	• 0	.3	.4	.2	.0	.0	•0	.0		.9	
	22+	.0	.0	•0	.0	•0	٠.	.0	.0	.0		.0	
	TOT \$	.0	.0	. 3	.4	.8	. 3	.0	•0	.0	.0	1.8	
	0-3	.0	.2	.3	.5	.0	.3	.0	.0	.0	.3		
5<10	4-10	٠.٥	2.9	3.5	4.7	2.4	.2	.3	.3	•0		14.2	
	11-21	.0	•0	1.0	3.2	.3	.0	•0	•0	•0		4.5	
	22+	.0	0	• • •	.0	•0	.0	٠,٥	•0	.0	_	0	
	TOT %	.0	3.0	4.7	6.4	2.7	.5	. 3	. 3	.0	.3	20.2	
	0-3	.4	1.0	1.5	1.4	.3	.2	. 5	.3	.0	2.1	7.5	
10+	4-10	.5	5.4	21.3	20.9	4.0	1.9	1.5	.0	•0		55.4	
	11-21	.0	.0	5.9	6.9	• 2	. 9	•0	.0	•0		13.9	
	22+	•0	.0	•0	. 3	.0	.0	.0	••	• 0		3	
	TOT %	. 8	6.4	28.8	29.4	4.4	2.9	2.0	. 3	•0	2.1	77.1	

(

SEPTEMBER

PERIOD: (PRIMARY) 1906-1971 (OVER-ALL) 1854-1971

*

TABLE 10

AREA 0004 NURTHWEST JAVA SEA 3.65 106.5E

PERCENT FREQUENCY OF CRICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

8000+ TOTAL NH <5/8 TOTAL NH HGT OBS HOUR (GHT) 00603 06609 65.2 23 12615 27 .0 11.1 88.9 ٠, 18821 .0 .0 11.5 3.8 7.7 23.1 76.9 26 .0 •0 TUT PCT 76 97 78.4 100.0 0 2 2 10 3 4 .0 2.1 2.1 10.3 3.1 4.1 .0 0 21

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GMT)	<150 <50YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ 4N05+	NH <5/8 AND 5+	TOTAL OBS
E0300	.0	.0	1.6	3.1	23.4	71.9	64	£0300	.0	5.3	15.8	5.3	78.9	19
90360	.0	.0	2.3	2:3	21.8	73.6	87	90360	.0	4.8	9.5	28.6	61.9	21
12615	.0	.0	.0	1.4	12.2	86.5	74	12615	•0	.c	.0	11.5	88.5	26
18621	.0	.0	•0	.9	21.2	77.9	113	18621	.0	.0	.0	24.0	76.0	25
707	0	0	3	. 6	67	262	336	TOT	0	. 2	5 5	16	70	91

TARIS 13

TABLE 14

				1	ABLF 13	,									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUM1	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	4 BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		PREG	N	NE	E	SE	\$	SW	W	NW	VAR	CALH
85/89	.0	.0	.0	•0	1.4	7.2	2.2	.0	15	10.9	.0	.0	1.8	5.6	1.8	.2	.7	.0	.0	.7
80/84	.0	.0	.0	•0	4.3	44.9	31.9	2.9	116	84.1	.4	8.7	24.5	37.1	6.9	3.6	.7	.7	.0	1.4
75/79	.0	.0	.0	•0	• • •	1.4	2.2	.7	6	4.3	.0	.7	.7	2.2	.0	.7	.0	.0	.0	.0
70/74	.0	.0	.0	•0	• •	.0	.0	.7	1	.7	.0	.7	•0	•0	٠,0	.0	.0	.0	.0	.0
TOTAL	0	0	. 0	0		74	50	6	138	100.0										
PCT	.0	.0	.0	•0	5.8	53.6	36.2	4.3			.4	16.1	27.0	44.9	8.7	4.5	1.4	.7	•0	2.2

TABLE 15

TABLE 16

				TAF	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	ITTLES	OF TE	1P (DE	G F) E	Y HOUR		PERC	ENT FRE	QUENÇY	OF RELA	TIVE H	UMIDITY	BY HOUF	1
HOUR (GMT)	MAX	99%	95×	40%	5%	1%	HIN	MEAN	TOTAL DBS	HGUR (GHT)	0-29	30=59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	86	85	84	82	78	75	75	81.5	103	00203	.0	.0	•0	58.6	37.9	3.4	79	29
90380	92	91	88	83	79	77	77	83.6	207	99360	.0	•0	9.4	68.8	21.9	.0	75	32
12615	84	83	83	62	80	77	77	82.0	109	12615	.0	•0	6.1	57.6	33.5	3.0	79	33
18621	65	84	83	82	80	75	74	81.5	194	18821	.0	•0	6.1	36.7	49.0	8.2	81	49
701	92	89	86	82	79	77	74	82.3	613	TOT	Ö	Ö		76	53	6	79	143

SFPTEMBER

PERIOD: (PRIMARY) 1906-1971 (UVER-ALL) 1854-1971

TABLE 17

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PCT FREG OF AIX TEMPERATURE (DEG F) AND THE OCCUPRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	701	×	κÞ
THP DIF	76	80	84	85	_	FOG	FOG
6	.0	•0	.0	.7	1	.0	.7 .7
5	.0	.0	.0	.7	1	.0	.7
4	.0	.0	.0	.7	1	.0	.7
3	.0	.0	.0	.7	1	.0	.7
3 2 1	.0	•0	3.4	4,8	12	.0	5.3
1	.0	.0	6.2	.0	9	.0	6.2
ŏ	.0	•0	29.7	.7	44	.0	30.3
-1	.5	2.1	26.9	٠	42		29.0
-1 -2		.7	10.3	. 7	17	.0	11.7
-3	.0	.7	3.4	1.4	8	.0	5,5
-4	.0	2.1	.7	.0		.0	2.8
-5	.7	1.4	. 6	ő	4	.0	2.1
-6	. 7		.7	ŏ	ž	.0	1.4
TOTAL	ž	••	118	••	•	٠٠	145
10125	•	10		15	145	٠	143
PCT	1.4	6.9	81.4	10.3	100.0		100.0
	4 4 7	U . 7		1047	*00*0		100.0

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

<1	•0	.0	•0	.0	.0	٠.	.0	•0	.0	•0	.0	•0	.0	•0
1-2	٠.	.0	•0	.0	•0	.0	•0	•0	. 0	.0	•0	•0	.0	.0
3-4	.0	.0	•0	.6	.c	•0	.0	•0	.5		.0	.0	.0	.6
5+6	.0	.0	•0	.0	,0	.0	٠٥	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	٠.	٠.	.0	.0	.0	. 0	.0	.0	.0	.0	.0
8-9	٠٥.	.0	.0	.0	• າ	•0	•0	•0	.0	• 0	.0	•0	.0	.0
10-11	٠.0	.0	.0	.0	.0	•0	•0	. 1	. U	.0	.0	.0	.0	.0
12	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0
13-16	.0	۰.	.0	.0	.0	•0	.0	.0	.0	.0	.0	• >	.0	.0
17-19	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
20-22	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0
23-25	.0	.0	•0	.0	٠.	.0	.0	•0	.0	.0	.0	•0	.0	.0
26-32	.0	.0	•0	.0	•0	.0	.0	•0	•0	.0	.0	•0	.0	.0
33-40	.0	.0	.0	.0	.0	٠.	.0	.0	•0	.0	•0	.0	.0	.0
41-48	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0	.0	•0	.0	•0
49-60	•0	.0	•0	•0	•0	•0	•0	•0	• 0	•0	.0	•0	.0	•0
61-70	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0
71-86	.0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	•0	.0	.0
	.0	.0	.0	.0	٠,	.0	•0	.0	•0	.0	•0	•0	.0	.0
TOT PCT	.0	.0	•0	•0	.0	٠٥	•0	.0	.6	•0	•0	• 0	.0	.6
				F							46			
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
HGT <1	1-3	4-10	11-21	22-33			PCT	1-3			22-33			PCT •0
<1 1=2					.0	48+ •0 •0	PCT •0 12.5	.0	4-10 .0 19.3	.0	22-33	•0	•0	.0
<1 1+2 3-4	.0	12.5 5.7	.0 .0 .0	22-33		•0	.0	•0	19.3 5.1		22-33		.0	28.4
<1 1+2 3-4 5+6	.0	12.5 5.7 3.4	11-21 •0 •0	22-33	.0	.0	12.5	•0	19.3	9.1	22-33 .0 .0	•0	•0	.0
<1 1=2 3=4 5=6 7	.0	12.5 5.7 3.4	11-21 .0 .0 2.3 1.7	22-33	.0	.0	12.5 8.0	• • • • • • • • • • • • • • • • • • • •	19.3 5.1 1.1	9.1 9.1	.0	•0	.0 .0	28.4 16.5
<1 1 * 2 3 - 4 5 + 6 7 8 - 9	.0	12.5 5.7 3.4 .0	11-21 .0 .0 2.3 1.7	22-33 .0 .0	.0	.0	12.5 8.0 5.1	.0	19.3 5.1 1.1	9.1 9.1 5.7	.0 .0 .0 2.3	•0	.0	28.4 16.5 6.8
<1 1-2 3-4 5-6 7 8-9 10-11	.0	12.5 5.7 3.4 .0	11-21 .0 .0 2.3 1.7	22-33	.0	.0	12.5 8.0 5.1 .0	•0	19.3 5.1 1.1 .0	9.1 9.1 5.7	22-33 .0 .0 2.3 .0	•0	.0	28.4 16.5 6.8
<1 1-2 3-4 5-6 7 8-9 10-11 12	.0	12.5 5.7 3.4 .0	11-21 .0 .0 2.3 1.7 .0	22-33	.0	.0	12.5 8.0 5.1	.0	19.3 5.1 1.1 .0	9.1 9.1 5.7	22-33 .0 .0 2.3 .0	•0	•••••	28.4 16.5 6.8
<1 1 * 2 3 - 4 5 * 6 7 8 - 9 10 - 11 12 13 - 16		.0 12.5 5.7 3.4 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0	22-33	.0	.00.00	12.5 8.0 5.1 .0 .0	•0	.0 19.3 5.1 1.1 .0 .0	9.1 9.1 5.7 .0	22-33	.0	•••••	28.4 16.5 6.8 .0 .0
<1 1 * 2 3 - 4 5 = 6 7 8 - 9 10 - 11 12 13 - 16 17 - 19	00000000000	.0 12.5 5.7 3.4 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0	22-33	.0	.00	12.5 8.0 5.1 .0 .0	•0	.0 19.3 5:1 1.1 .0 .0	.0 9.1 9.1 5.7 .0 .0	22-33	.0	.0	28.4 16.5 6.8 .0 .0
C1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	.0 12.5 5.7 3.4 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0	22-33	.0		12.5 6.0 5.1 .0 .0 .0	.00000000000000000000000000000000000000	19.3 5:1 1:1 0.0 0.0 0.0	9.1 9.1 9.1 5.7 .0	22-33	.0	.00	28.4 16.5 6.8 .0 .0
C1 1+2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	12.5 5.7 3.4 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0	22-33	.0		12.5 6.0 5.1 .0 .0 .0		.0 19.3 5.1 1.1 .0 .0 .0	9.1 9.1 5.7 .0 .0	22-33	.0	.00	28.4
C1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	000000000000000000000000000000000000000	12.5 5.7 3.4 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0	22-33	.00.00		12.5 8.0 5.1 .0 .0 .0		19.3 5.1 1.1 0.0 0.0 0.0	9.1 9.1 9.1 5.7 .0 .0	22-33	.0	.00000000000000000000000000000000000000	28.4
C1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	12.5 5.7 3.4 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000		12.5 6.0 5.1 .0 .0 .0		.0 19.3 5.1 1.1 .0 .0 .0	9.1 9.1 5.7 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	28.4
C1 1~2 3~4 5~6 7 8~9 10~11 12 13~16 17~19 20~22 23~25 26~32 23~40 41~48	.0	.0 12.5 5.7 3.4 .0 .0 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0 .0	22-33	.00.00		12.5 8.0 5.1 .0 .0 .0 .0		.0 19.3 5.1 1.1 .0 .0 .0 .0 .0	9.1 9.1 9.1 5.7 .0 .0 .0 .0	22-33	.0		28.4
<pre>&lt;1 1</pre>	.0	.0 12.5 5.7 3.4 .0 .0 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.0	12.5 6.0 5.1 .0 .0 .0 .0		.0 19.3 5.1 1.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	9.1 9.1 9.1 5.7 0 0 0 0 0 0 0	22-33	.0		28.4 16.5 6.8 .0 .0 .0 .0 .0
<1 1 1 2 3 - 4 5 - 6 7 8 - 9 10 - 11 13 - 16 17 - 19 20 - 22 23 - 25 26 - 32 33 - 40 41 - 48 49 - 40 61 - 70	.0	.0 12.5 5.7 3.4 .0 .0 .0 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.0	12.5 6.0 5.1 .0 .0 .0 .0 .0	.0	.0 19.3 5.1 1.1 .0 .0 .0 .0 .0 .0 .0	09.1 9.1 9.1 5.7 00 00 00 00 00 00 00 00 00 00	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00		28.4 16.5 6.8 .0 .0 .0 .0
<pre>&lt;1 1</pre>	.0	.0 12.5 5.7 3.4 .0 .0 .0 .0 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.00	12.5 8.0 5.1 .0 .0 .0 .0 .0	.0	.0 19.3 5:1 1.1 .0 .0 .0 .0 .0 .0 .0 .0	9.1 9.1 5.7 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00		28.4
<1 1 1 2 3 - 4 5 - 6 7 8 - 9 10 - 11 13 - 16 17 - 19 20 - 22 23 - 25 26 - 32 33 - 40 41 - 48 49 - 40 61 - 70	.0	.0 12.5 5.7 3.4 .0 .0 .0 .0 .0 .0	11-21 .0 .0 2.3 1.7 .0 .0 .0 .0 .0 .0	22-33	.00000000000000000000000000000000000000	.0	12.5 6.0 5.1 .0 .0 .0 .0 .0	.0	.0 19.3 5.1 1.1 .0 .0 .0 .0 .0 .0 .0	09.1 9.1 9.1 5.7 00 00 00 00 00 00 00 00 00 00	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00		28.4 16.5 6.8 .0 .0 .0 .0

PAGE 290

								ŞEPTEMBE	R			4254	0004	NORTHWE	CT 141/4	
PERIOD:	COVE	R-ALL)	1963-1	971				TABLE 16 (CON	T)					65 106		,,,-
				PC	T FREO	OF WIND	SPEED	(KTS) AND DIR	ECTION V	/ERSUS S	EA HEIG	HTS (FT	)			
				\$							SW					
HGT	1-3	4-10	11-21	22-13	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT		
<1	•0	.0	•0	٠0	.0	•0	.0	•0		٠.	.0	•0	.0	2.3		
1-2 3-4	.0	6.8 2.3	.0	•0	.0	•0	6.8	• • • • • • • • • • • • • • • • • • • •	2.3	.0		۱	.ŏ	2.3		
5-6	:ŏ	-:3	;;7	.0	ŏ		1.7	٥	0			.0				
7	.0	.0	.0	.0	.0	•0	.0	. 0		.0		•0		.5		
8-9	.ŏ	.ŏ	.0	.0	.ŏ	• 6		c		.0	•0	.0	.0	•0		
10-11	.0	.0	.0	.0	. 5	•0	.5			.0	.0	•0	.0	.0		
12	Ö	.0	, n	.0	'n	•0	.0	.0		.0	•0	.0	.0	.0		
13-16	. 6	.0	'n	.0	.0	.0	.0	.0	. 5	.0	.0	.0	.0	.0		
17-19	. 0	.0	.0	.0	.0	.0	.0	, 0	.0	. 5	.0	•0		• 0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0		.0	•0	•0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	•0		.0	.0	٠0	.0	.0		
26-32	.0	.0	•0	•0	. ა	•0	.0	.0		. 3	٠0	•0	.0	.0		
33-40	.0	.0	• ?	.0	.0	•0	.0	•0		٠.	•0	•0	.0	•0		
41-48	.0	.0	•0	•0	.0	•0	.0	•0		.0	•0	•0	.0	.0		
49-60	٠.	.0	• 0	•0	•0	-0	.0	•0		•0	•0	•0	.0	•0		
61-70	.0	.0	•0	•0	.0	•0	.0	•0		٠.٥	•0	•0	•0	.0		
71-86	٠.	٠,	•0	•0	.0	•0	.0	.0		٠,	•0	•0	•0	•0		
67+	٠.٥	.0	.•0	•0	.0	٠.0		• 2	4.5	.0	•0	•0	٥.	4.5		
TOT PCT	٠,	9.1	1.7	•0	٠,	•0	19.5	•	4,3	٠٠.	•0	•0	••	7.7		
				w							NW				TOTAL	
HCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
<Ĩ.	.5	.0	.0	-0	.0	•0	.0	.0		•0	.0	•0	.0	2 • 3		
1-2	.0	.0	.0	•0	.0	.0	.0	•0		•5	.0	•0	.0	•0		
3-4	.0	2.3	•0	.0	.0	.0	2.3	.0		.0	٠,	•0	٠.	•0		
5-6	.0	.0	•0	.0	.0	•0	.0	.0		.0	٥٠	•0	.0	•0		
7	.0	.0	•0	•0	.0	.0	.0	• 0		.5	•0	•0	.0	•0		
8-9	.0	.0	•0	.0	.0	•0	.0	• 0		.0	.0	•0	.0	•0		
10-11	.0	٠.	•0	.0	.0	٠0	.0	•9		.0	•0	•0	••	•0		
12	•0	.0	•0	•0	.0	•0	٠,	• 0		•0	.0	•0	.0	•0		
13-16	.0	.0	•0	٠,	.5	.0	.0	•0			.0	•0	.5	•0		
17-19	•0	٠.	•0	.0	.0	.0	.0			.0	.0	•0	.0	•0		
20-22 23-25	.0	.0	•0		.0	.0	.0				.0	••		.0		
26-32	.0		•0		.0	.0	.0					•0		.0		
33-40	ŏ		•0	.0	.0	.0	.0	. č		.ŏ			.0	.0		
41~46	ŏ		.0	.0	.0		.0				.,		.0	.0		
49-60	.0		•0		.0	.0	.0				.6	.0		.0		
61-70	.0	.ŏ	ěŏ	.ŏ			.0			:0		ŏ	.0	• •		
71-86	.0		•0			.0					. 0	•0	. 0	•0		
87+	.0	.0	.0		.0	•0	.0		• •0		.0	•0	.0			
TOT PCT	.0	2.3	.0		.0	.0	2.3	•0	2,3	.0	۰.	•0	.0	2.3	97.7	

	4140	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	40+	PCT	TOT OBS
<1	4.4	4.4	.0	.0	٠,0	.0	8.9	083
1-2	.0	37.€	4.9	.0	.0	.0	40.7	
3-4	.0	17.8	11.1	7.2	.0	.0	31.1	
5-6	.0	4.4	8.9	.0	.0	.0	13.3	
7	.0	.0	.c	.0	.0	.0	.0	
8-9	.0	•0	, c	.0	.0	.0	.c	
10-11		•0	.c	.0	.0	.0	.0	
12	.0	•0	.¢	.0	٠,٥	.0	.0	
13-16	.0	.0	.0	. 0	٠.	.0	.0	
17-19	.0		.c	ě	.0	.0	.0	
20-22	.0	.0	.0		.0	,0	.0	
23-25	ō		٥.		.0	.0	.0	
26-32	.0	•0	.0		.3		.0	
33-43	.0	.0	, c	.0	.0	.0	.0	
41-48	.0	•0	.c	.0	.0	.0	.0	
49-60	.0	•0	.0		.0	.0	.0	
61-70	.0	.0	.c		.0	.5	.ŏ	
71-86	.0	.0	.0				.0	
87+	.ŏ	.0	.c		.0		.0	
• • • •	•••	•••		• • •	• • •	• • •	••	45
TET PET	4.4	64.4	28.9	7.2	.0	.0	100.0	•

PERIOD: (OVER-ALL) 1949-1971 TABLE 19 PERCENT FREQUENCY OF MAVE HEIGHT (PT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT <1 1-2 3-4 5-6 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-4: 49-60 61-70 71-86 1.3 .0 .0 .0 .0 .0 2.6 .3 31.6 5.3 .0 .0 .0 .0 2.6 .30 39.5 36.8 1.3 .0 1.3 .0 .0 5.3 34 0000000000 9.2 2.6 0000000000 ........ 000000000 000000000 ......... 000000000 0000000000 000000000 0000000000 •••••••••• 0000000000 0000000000

PERIOD: (PRIMARY) 1907-1972 (DVER-ALL) 1854-1972

 $\epsilon$ 

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.68 106.5E

PERCENT	FREQUENCY	0 F	SHIPATHER	OFFIRESHER	 HIDE	

											100 UZR	ECITON			
			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
NIC DAW	RAIN	RAIN	DR7L	PRZG PCPN	KONS	OTHER FRZN PCPH	HAIL	PCPN AT OB TIME	PCPH PAST HOUR	THOR LTNG	FOG NO PCPN	FOG WO PCPN PAST HR	SHOKE		
N NF E S E S w W	20.5 .0 2.3 .0 8.0	.0 3.6 1.1 .0 4.0 7.7	.00000		.00000	.0	••••••	20.5 5.9 3.6 3.4 0 12.0	.0 1.5 1.8 .0 5.8	27.9 5.4 2.3	.0 2.4 .0 11.6	.0	15.4 14.7 1.2 3.4 .0	•0	84.1 90.0 85.6 90.8 82.6 80.0
NH VAR Calm	.0	.0	.0	.0	.0	.0	.0	23.1 .0 .0	•0	7.7 10.5 .0 21.4	.0	•0	.0 .0 7.1	•0 •0 •0	69.2 89.5 .0 71.4
TOT PCT TOT CBS:	3.0 167	2.4	.0	.0	.0	.0	•0	5.4	1.8	7.2	1.8	•0	4.2	•0	79.6

TABLE 2

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HBJR (GHT)	RAIN	RAIN SHHR	DezL	FRIG PCPN	SHDW	OTHER FRZN PCPh	HAIL	TA HÇQQ BRIT BO	PCPH PAST HUUP	THOR LTMG	FOG WB PCPN	FUG WD PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00603 08609 12615 18621	2.9 8.8 .0 1,5	5.7 2.9 .0 3.0	.0 .0 .0	.0	.0	.0	0.00	8.6 11.8 .0 4.5	2.0 2.0 .0 1.5	2.9 .0 4.8 13.4	.0 2.9 4.8	•0	2.9 5.9 2.4 6.0	•0	82.9 76.5 88.1 74.6
TOT PCT TOT CBS:	2.8 178	2.8	.0	.0	•0	.0	.c	5.6	1.7	6.7	1.7	.0	4.5	•0	79.8

TABLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			EG (KN) 22-33	•4•	TOTAL OBS	PCT FREQ	PEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	10	21
N NE E S S S W N N N VAR CALP TOT CBS	.7 1.5 2.9 2.2 2.9 1.9 .5 .4 .0 9.1 131 22.2	2.7 4.3 15.7 19.2 9.2 4.9 2.4 2.3 .0	.5 1.7 3.4 4.6 3.0 1.9 1.4 .2 .0	.00.00	 .00000000000000000000000000000000000000	591	3.9 7.4 22.1 26.0 15.3 8.8 4.4 2.9 .0 9.1	6.3 7.5 7.8 7.8 7.4 8.7 6.8	1.2 5.3 29.1 23.8 12.4 13.5 3.5 2.9 .0 8.2 95	25.0 25.0 16.7 .0	3.6 20.7 27.1 18.2 15.0 4.3 1.7 .0 6.8 117	2.3 1.5 .8 .0 6.1	20.1 3.7 2.8 1.2 .0 6.5 107	25.0 25.0 .0 .0 8.3 41.7	3.8 12.4 23.3 22.3 7.7 7.1 4.2 3.8 .0 13.4 119	8.8 11.8 14.7 14.1 12.4 9.4 10.0 4.7 .0 14.1 85

## TARLE SA

WND DIR	C-6	WIND 7-16	5PEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	HEAN SPD	00 03	HDU/ 06 09	(GHT) 12 15	18 21
HE E SE S SW W NH VAR CALH TOT OBS	2.7 3.9 11.2 11.4 8.8 4.9 7.1 1.6 .0 9.1 330 55.8	1.2 3.1 10.3 13.9 5.4 3.4 1.9 1.1 .0	.1 .4 .6 .8 1.0 .4 .4 .2 .0	.0	••••••••	591	3.9 7.4 22.1 26.0 15.7 8.8 4.4 2.9 .0 9.1	6.3 7.5 7.3 7.8 7.3 7.4 8.7 0.8	1.1 4.9 29.4 23.9 13.7 2.7 .0 7.7 91	3.6 3.1 21.7 31.0 19.0 10.4 3.3 1.4 .0 6.6 183 100.0	3.3 8.0 21.0 32.5 19.0 3.5 3.1 0.0 6.2 113	5.9 12.1 19.7 18.9 10.8 8.1 6.6 4.2 .0 13.7 204

PAGE 292

CCTOBER

PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1854-1972

TABLE 4

AREA 0004 NORTHWEST JAVA SEA 3.68 106.5E

#### PEPCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALH	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL DBS
00603 06609 12615 18621 TOT PCT	7.7 6.6 6.2 13.7 54 9.1	18.7 12.0 13.3 11.3 77	59.3 59.6 65.5 29.8 359 60.7	14.3 21.3 15.0 14.2 98 16.6	.0 .9 .0 1.0 3	.0	.0	7.4	100.0 100.0 100.0 100.0	91 183 113 204 591

TARLE 5

	TARGE 9											T/	ABLE 6					
1	PCT FRI		OTAL NIW YE	CLUUD / D DIREC	MOUNT Stick	(EIGHTHS) MEAN			PERCEN	TAGE F	FREQUEN CURREN	CY OF	CEILIN NH <5/	IG HE!	HTS (	FT,NH IRECTI	)4/8) DN	
WND DIK	0-2	3-4	5-7	OBSCD	TCTAL CBS		000 149	150 299	300 199	600 999	1000 1999	2000 3499	3500 4999	5000 6499		8000+		
N NE E S S S W NM VAR CALM TOT DBS TOT PCT	1.1 2.8 9.9 4.2 1.1 .4 .0 .4 .0 2.8 16 22.5	.0 1.4 5.3 10.2 2.8 1.4 .0 .0 .0 .1 16 22.5	3.5 7.4 10.2 3.9 1.8 2.8 .0 .0 4.2 24 33.8	1.4 .0 1.1 2.1 5.3 8.5 1.4 1.4 .0 .0 15 21.1	71 100.0	5.0 4.1 3.4 4.3 6.7 6.6 6.0 3.6	.0	.00	000000000000	1.4 .7 2.1 .4 1.1 2.8 .0 .0 .0 1.4 .7	.0 1.4 2.5 3.2 2.5 1.8 .0 .0	.0 .0 .0 1.4 .0 1.4 .0	.0 .0 .0 .0 1.4 .7 .7 .0 1.4 3	.0 .0 .0 1.4 .0 .7 .7 .0 .0 2	••••••••	.0 .0 1.4 .0 .0 .0	1.1 5.6 19.0 21.8 6.7 6.0 1.4 .4 .0 4.2 47	71 100.0

TARLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (4)	1)			
CEILING	• OR	- OR	■ DR	● TR	• DR	- DR	• DR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<ul> <li>OR &gt;5000</li> </ul>	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
<ul> <li>DR &gt;3500</li> </ul>	8.2	0.2	8.2	8.2	8.2	1.2	¥.2	1,2
<ul> <li>02 &gt;2000</li> </ul>	12.3	12.3	12.3	12.3	12.3	12.3	12.3	
<ul> <li>OR &gt;1000</li> </ul>	21.9	23.3	23.3	23.3	23.3	23.3	23.3	14.3
<ul> <li>DR &gt;600</li> </ul>	28.8	31.5	32.9	32.9	32.9			23.3
<ul> <li>DR &gt;300</li> </ul>	28.8	31.5	32.9	32.9		32.9	32.9	32.9
■ OK >150	28.6	31.5			32.9	32.9	32.9	32.9
■ DR > D	28.8		32.9	32.9	32.9	32.9	32.9	32.9
		31.5	32.9	32.9	32.9	32.9	32.9	32.9
TOTAL	21	23	24	24	24	24	34	34

TOTAL NUMBER OF DBS: 73

PCT FREQ NH <5/81 67-1

TABLE 74

PERCENTAGE PREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 6.4 17.9 21.6 14.1 7.7 14.1 6.4 3.8 7.7 .0

2	ю	<b>E</b> 4

PERIODI (PRIMARY) 1907-1972 (OVEP-4LL) 1854-1972	TABLE 6	AREA 0004 NORTHWEST JAVA SFA 3.65 106.5E
	DEDECT ENGO TE MIND AIRECTION OF TROUBSCHOE TO MON-HE	PLIODENICE DE

VSBV (NN)		•	NE	£	SE	S	S۲	٧	NH	VAR	CALM	PCT	TOTAL
	PCP	.c	.0	. 0	٠.	.0	. 17	.0	.0	.0	.0	.0	
<1/2	40 PCP	.0	• 0	.0	.0	•0	•0	.0	.0	.0	.0	.0	
	151 %	.c	.0	.0	. 3	•0	•0	.0	• ၁	.0	• 0	.0	
	PCP	.c	.0	.0	.0	•0	.0	.0	.5	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.6	•0	•0	• 1	.0	• 0	.0	•0	.6	
	* זמז	.c	٠,	.6	.0	•0	•0	•0	•0	•0	•0	.6	
	PEP	.0	.0	•0	•0	•0	.0	.5	• 5	.0	٠.	.0	
1<2	NO PCP	.9	.9	.0	.6	•0	• 0	۰.	• 0	.0	• 6	3.0	
	101 %	.9	.9	•0	•6	•0	• 0	•0	•0	•0	•6	3.0	
	PCP	. e	.0	.0	.0	•0	••	.6	•0	.0	.0	1.2	
2<5	NO PCP	.c	. 9	.0	•0	•0	•0	•0	•0	•0	• 0	.0	
	TOT %	.6	.0	.0	• 0	•0	•0	.6	•0	.c	•0	1.2	
	PCP	.6	.6	.9	.9	•0	. 9	. 3	.0	.0	•0	4.2	
5<10	NO PCP	3.0	1.9	7.9	11.4	4.3	. 4	.3	•0	•0	1.8	31.1	
	TOT %	3.6	2.5	2.8	12.3	4.3	1.3	.6	•0	•0	1.8	35.3	
	PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0		
10+	NO PCP	.7	6.7	15.6	13.2	6.0	5.1	2.7	2.5	•0	6.0	59.5	
	TOT \$	.7	6.7	15.6	13.2	5.0	5.1	2.7	2.9	•0	÷.0	50.0	
	737 085												16
	TOT PCT	5.8	10.2	25.0	26.0	10.3	7.5	3.4	2.8	.0	8.4	130.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

					MITH V	ARYING	VALUE	5 UF V	ISIBIL	[ T Y			
Y88Y (44)	SPD KTS	N	NE	E	SE	5	Sm	*	N#	VAR	CALM	PCT	TOTAL OBS
	0 -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	• 0	.0	•0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	•0	.0	.0		.0	
	TOT \$	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	.c	
	0-3	٠.	-0	. 3	.0	.0	.0	.0	.0	.0	.0	.3	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	•0	•0	.0	.0	.0	.0		.0	
	22+	٠.	.0	.0	.0	.0	.0	•0	.0	•0		.0	
	TOT %	•0	•0	.3	• 0	.0	•0	•0	•0	•0	•0	.3	
	0-3	.2	.5	.0	.0	.0	.0	.0	.0	.0	.3	1.0	
1<2	4-10	.3	.0	•0	.0	.0	.0	. 0	٠.	.0		:3	
	11-21	.0	. 0	.0	.3	•0	.0	.0	.0	.0		.3	
	22+	•0	•0	• 0	.0	•0	.0	•0	.0	•0		.0	
	TOT \$	.5	.5	.0	.3	•0	•0	. 9	-0	•0	.3	1.7	
	0-3	•0	٠.	•0	•0	.0	.0	•0	.0	.0	.0	.0	
2<5	4-10	.0	٠,	•0	. 3	• 0	•0	. 3	.0	.0		•7	
	11-51	. 3	•0	• 0	.0	.0	.0	.0	. ?	•0		.3	
	22+	.0	.0	.0	.0	• 0	.0	.0	. 0	۰.		1.0	
	TOT S	.3	.0	.0	.3	.0	.0	.3	.0	٠.	.0	1.0	
	0-3	. • 2	.2	.7	.0	.3	. 3	.2	.0	.0	1.0	2.7	
5<10	4-10	1.7	1.4	4.3	6.2	2.3	.5	.7	.3	.0		17.4	
	11-51	.2	• 7	1.0	1.5	•2	.3	.2	.0	•0		4.4	
	22+	.0	.0	.0	0	.0	.0	.0	•0	•0		.0	
	TOT S	2.0	2.3	6.0	7.7	3.1	1.1	1.0	.3	.0	1.0	24.5	
	0-3	. 2		1.6	1.3	2.5	1.0	. 3	. 3	.0	7.7	15.8	
10+	4-10	1.4	5.7	14.8	13.4	5.6	3.3	1.5	1.9	.0		47.7	
	11-21	.0	•7	3.1	2.9	1.1	.7	.3	•0	.0		8.7	
	22+	.0	.0	.0	.0	.0	.0	.3	.0	.0		.3	
	TOT %	1.5	7.1	19.5	17.6	9,2	4.9	2.5	2.3	.0	7.7	72.5	
	OT DES												298
ī	OT PCT	4.4	9.9	25.4	26.0	12.3	6.0	3.9	2.6	.0	9.1	100.0	

PAGE 294

(

(

DCTOBER

PERIGOI	(PRIMARY)	1907-1972
	(TIVED-ALL)	1854-1972

TABLE 10

AREA 0004 NORTHWEST JAVA SEA 3.65 106.5E

PERCENT	FREQUENCY OF		>4/61	AND
		u <i>jel</i> a e.		

HOUR (GHT)	000 149	150 299	300 599						6500 7999		TOTAL	NH <5/8 ANY HGT	
60300	.0	.0	.0	5.6	11.1	.0	.0	.0	.0	•0	15.7	83.3	18
90360	.0	.0	.0	25.0	16.7	.0	8.3	.0	.0	4.3	58.3	41.7	12
12615	.0	.0	.0	.0	15.8	5.3	5.3	5.3	.0	•0	31.6	68.4	19
18621	.0	.0	.0	10.7	3.6	7.1	7.6	3.6	.0	•0	28.6	71.4	28
TOT	0	0	0	. 7	. •	. 3	. 3	. 2	0	. 1	24	. 53	77

TABLE 11

TABLE 12

		PERCENT	FAEQUER	CY VSB1	( (NH)	SY HOUR		CUMULAT					(MM) YBZV RUCH YBL(	
HBUR (GMT)	<1/2	1/2<1	165	2<5	5<10	10+	TOTAL CBS	HOUR (GHT)	<150 <50¥9	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
60300	.0	.0	.c	.0	24.5	75.5	40	00603	•0	.0	5.6	11.1	83.3	18
90360	.0	.0	1.4	2.9	28.6	67.1	70	90360	•0	•0	25.0	33.3	41.7	12
12615	.0	1.4	1.4	.0	21.6	75.7	74	12615	.3	•0	.0	35.3	64.7	17
18621	.0	.0	1,4	.•	27.0	08.1	110	18621	٠.	.0	11.5	19.2	69.2	26
TOT	2	1	1.9	, 3	80	219	309	TUT	3	0	. 7	22.2	49	73

... - ..

ABLE 14

				,	emile 11	•									INDL	E 14				
	PERC	ENT FR	EOUENCY	Y JF R	EL ATIVI	E HUMI	DITY B	Y TEMP	TOTAL	PET		PERC	ENT FR	EQUENC	Y OF W	140 DI	RECTIO	4 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	5E	S	SW	Ħ	NW	VAR	CALM
90/94	.0	.0		•0		.0	.0		1	.7	0	.0	.0	.7	.0	.0	.0	.0	.0	٠.
85/89 80/84	.0	.0		•0		25.3		5.1	116	11.6	1.3	1.1	2.2	20.7	,7 9.4	4.9	.0 2.5	1.4	.0	8.7
80/84 75/79 TOTAL	.0	•0	.0	•0	.0	1.4	.0	2.2 10	5	3.6	.7	.0	•0	.7	.0	1.4	.0	•0	.0	.7
PCT	.ŏ	•	•	•6		37.7	49.3	7.2		100.0	6.7	12.0	23.0	27.5	10.1	7.1	2.5	1.6	.0	9.4

TARLE 15

				101										INGLE	**			
	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	19 (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTICIMU	BY HOUR	
HOUR (GMT) 00503 06605 12615 18623	92 67	993 87 91 86 84 90	95% 85 89 85 84	50% 82 83 82 82 82	5\$ 79 79 80 78 79	1% 75 76 76 76 76	HIN 75 74 76 74 74	MEAN 82.3 83.6 82.3 81.5 82.4	TOTAL OBS 91 181 109 206 567	HOUR (GMT) 00603 06609 12615 18621	0-29	3C=59 .0 .0	60-69 18.5 6.3 1.7	70-79 48.3 48.1 31.3 31.7	80-89 48.3 25.9 53.1 60.0	90-100 3.4 7.4 9.4 6.7	80 78 81 81	TOTAL 085 29 27 32 60 148

CTOBER

PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1854-1972

TABLE 17

AREA OOC'S SURTHWEST JAVA SEA 3.65 106.5E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FO. (WITHOUT PRECIPITATION) VS AIR—SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77 80	81 84	85 88	89 92	TOT	FDG	WO FOG
4	.0	.7	1.5	.7	4	.0	3.0
3	.0	•0	.7	• 0	1	.0	.7
3	.0	3.7	2.2	•0	1	.0	5.9
ī	.0	5.7	3.C	. 5	12	.0	9.9
ŏ	.0	17.0	1.5	.0	25	1.5	17.0
-i	. 7	23.0		ě	32		23.7
_;	3.0	15.6	.ŏ	.0	25	.0	18,5
-2 -3	7.7						
-,		6.7	٠.	.0	10	.0	7.4
-4	.7	5.9	۰.	• 0	9	.0	6.7
-5	1.5	1.5	٠.	.0	4	.0	3.0
-6	.0	.7	۰.0	.0	1	.0	.7
-7/-6	.7	2.2	٠,٠	.0			3.0
TOTAL	10		12	• -	-	2	133
		112	•-	1	135	•	.,,
PCT	7.4		3.9	• 7	100.0	1.5	98.5

PEPIOD: (DVER-ALL) 1963-1972

TABLE 18

				a.	T FREG D	F WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	SEA HEIG	HTS (FT)	)	
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.c	.0	• 0	.0	.0	.0	.0		• 0	2.1	.0	.0	•0	.0	2.1
1-2	.0	1.6	•0	.0	•0	•0	1.0		•0	4,3	•0	.0	•0	.0	4.3
3-4	.0	•0	•0	.0	٠.	.0	.0		•0	•0	.0	.0	•0	.0	•0
5-6 7	•0	.0	•0	.0	•0	٠ç	٠c		• 0	•0	.0	.0	•0	.0	•0
8-9	.0	•0	•¢	.0	.9	•0	•0		•0	:0	.0	•0	•0	•0	•0
10-11		.0	•0	•0	.0	.0	•0		.0	:0	.5	•0	•0	•0	•0
12	.5	.0	•0	.0	•0				.0	.0	.0	.0	•0	.0	••
13-16			.0	.0	ő	.0			ő		.0	.0	•0	.0	•0
17-19	.5	.ŏ	.0		.0	.0	.ŏ		.0	Ö		.0	.0	.0	•0
20-22	. 0	.6	.0		.0		.0		.0	ě	.5	.0	.0	ě	ď
23-25	.0		.0	.0	ŏ				ŏ	.0		·ŏ	.0		.0
26-32	.0	.0	•0	.0		.0	.č		, ć	.0		.ŏ		:ŏ	.ŏ
33-40	.0	.0	• 0	•0		.0					ě		.0		.ŏ
41-48	.0	.0	.0	.0	, 0	.0	.0		•0	.0	.0		•0	.0	.0
49-60	.0	.c	.0	.0	.0	.0	.0		.0	ō			ě		
61-70	• ů	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	•0
71-86	.0	.0	.0	.0	.0	.0	. 3		.0	•0	.0	•0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	•0	. 3	.0	•0	.0	.0
TOT PCT	•0	1.6	•0	•0	.0	•0	1.6		•0	6.4	•0	-0	•0	.0	6.4
				ε											
HGT	1-3	4-10	11-21	<b>22-33</b>	34-47	48+	PCT		1-3	4-10	11-21	5E 22-33	34-47	48+	₽CT
<1	.0	6.4	.0	.0	.0	.0	6.4		.0	2.1	2.1	.0	•0	.0	4.3
1-2	.0	10.1	3.7	.0	.0	.0	13.8		2.1	15.4	2.7		•0		20.2
3-4	.0	6.4	.0	.0	.0	•0	6.4		.0	.0	2.7	.0	.0		2.7
5-6	.0	.0	•0	.0	.0	.6	.0		.0	2.1	.0	•0	•0	.0	2.1
7	.0	.0	.0	•0	.0	•0	.0		•0	•0	2.1	.0	•0	.0	2.1
1-7	.0	.0	•0	.0	•0	.0	.0		•0	•0	.0	.0	•0	•0	•0
10-11	•0	٠.	•0	•0	•0	•0	•c		•0	•0	.0	•0	•0	•0	•0
12	.0	.0	•0	.0	•0	•0	.0		•0	•0	.0	•0	•5	•0	•0
13-16	٠.	.0	•0	• • • •	.0	.c	.0		•0	•0	.0	~0	•0	•0	•0
17-19	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0
20-22 23-25	•0	.0	•0	.0	•0	•0	•0		•0	•0	.0	•0	•0	.0	•0
26-32	•0	.0	•0	.0	•0	•0	••		•0	.0	.0	•0	•0	•0	•0
33-40	.0	.0	•0	.0	•6	٠0	•0		•0	•0	.0	•0	•0	٠0	••
41-48	.0	:0	•0	.0	.0	.0	.0		•0	.0	.0	.0	•0	• 0	•0
47-60	:0	.0	•0	.0		.0	.0		•0	.0	.0	•0	•0	:0	•0
41-70	:0	.0	.0	.0	.0	.0	.0		.0	:0	•0	•0	•0	•0	•0
71-86	.ŏ	:ŏ	.0	:0		.ŏ	:0		:0		.0	•	•0	.0	•0
87+					:0				ĕ	:	.0	.0	•0	:0	.0
TOT PCT	.0	22.9	3.7	:6	ě	:6	26.6		2.1	19.7	•.•	.0	•0	:6	31.4

PAGE 296

( · ·

(

									DCTOSER							
PERIODI	(CVE)	R-ALL)	1963-1	972				TABLE	18 (CON	7)			43E4	0004	NDRTHWE 65 106	ST JAVA SEA
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	PETTON	VERSUS :	SEA HEIG	HTS (FT			
				s								Sw		•		
HGT	1-3	4-10	11-21		34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	2.1	•0	.0	.0	.0	2.1		2.1	.0	.0	.0	• • •	.0	2.1	
1-2	٠.	.0	.0	•0	.0	.0	.0		.0	8,5	.0	.0	•0	.0	8.5	
3-4	1.5	.0	3.7	.0	.0	.0	5.3		. 5	.0	.0	.0	•0	.0	.5	
5-6	•0	.0	2.1	.0	.0	.0	2.1		.0	.0	.0	•0	•0	.0	.0	
_7_	.0	.0	•0	•0	.0	•0	•0		.0	• 0	2.1	•0	•0	•0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	.0	
10-11	•0	٠,	•0	.0	. 0	.0	.0		.0	•0	.0	.0	٠.	.0	.0	
12	• 3	.0	•0	.0	.0	.0	•0		.0	.0		.0	. 0	.0	.0	
13-16	٠.٥	.0	•0	.0	.0	.0	•0		.0	.0		•0	.0	.0	.0	
17-19 20-22	٠,٥	.0	•0	.0	٠.0	.0	•0		٥.	• C		•0	•0	.0	.0	
23-29	.0	.0	•0	.0	.0	.0	.0		.0	•0	•0	•0	•0	.0	.0	
25-27	.0	٠.	.0	.0	٥.	.0	•0		.0	.0	.0	•0	•0	•0	•0	
33-40	:0	•0	•0	•0	.5	•0	•0		•0	.0	•0	•0	•0	•0	•0	
41-48		.0	· · ·	.0	• 2	.0	• 0		•0	• 0	.0	•0	•0	٠.٥	•0	
49-60	ě		.0	.0	.0	.0	٥.		.0	•0	•0	•0	•0	• • •	•0	
61-70	. š		.0	.0		.0	.0		.0	.0		•0	•0	.0	•0	
71-86	ě		.0	.0	.0	.0	.0		.0	.0	•0	.0	•0	•0	•0	
87+	·ŏ		.0	·ŏ	.0				.5	.0		•0	•0	.0	•0	
TOT PCT	1.6	2.1	5.9	.0	. 0		9.5		2.7	8.5	2.1	• 5	•0	••	0	
	•••	•••		•••	•	•••	,,,			•••	2.1	•0	•0	•0	13.3	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCY	PCT
<1	•0	.0	•0	•0	.0	•0	.0		.0	.0	•0	•0	•0	.0		
1-2	.0	.0	.0	.0	٠.	.0	.0		.0	.5	.0	•0	•0	.0	. 5	
3-4	• 2	.0	2.1	•0	.0	•0	2.1		.0	.0	.0	.0	.0	.5	. 0	
5-6	.0	٠.	.0	٠.	.0	•0	•0		• 2	•0	.0	.0	•0	.0	.0	
.7	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	•0	• 0	.0	.0	
8-9	•0	.0	•0	•0	.5	.0	•0		•0	•0	•0	•0	•0	.0	.0	
10-11 12	.0	.0	•0	•0	•0	•0	•0		•0	.0	•0	•0	•0	.0	.0	
13-16	.3	.0	•0	• ?	• • • •	•0	•0		• 2	•0	.0	•0	•0	.0	•0	
17-19	ŏ		•0	•0	• • • • • • • • • • • • • • • • • • • •	•0	•0		• 5	•0	• 5	•0	•0	•0	•0	
20-22	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
23-25	ŏ	.0	•0	.0	.0	•0	•0		•0	•5	.0	•0	•0	•0	•0	
26-32		.0	.0	.0	.0	.0	•0		.0	•0	•0	•0	•0	•0	•0	
33-40	.ŏ	.0	.0	.0	.0	.0	.0		ő			•0	•0	•0	•0	
41-48	č	.ŏ	.0	.0	.0	.0	.0		.0	.0	.0	٠.	•0	.0	•0	
49-60	.0		.0	.0		.0	č		č	.0	.0	.0	•0	.0	•0	
61-70	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0			.0	
71-86	. 5				.0	.0	ŏ		.0	.0	.0	.0	•0	.0	•0	
87+	. 5	.0	•0	.0	.0	.0	.0		ŏ	.0	.0	.0	.0	.0	.0	
TOT PCT	. 3	.0	2.1	•0	.0	.0	2.1			.5		.0	•0	.0	.5	91.5
			-	-					,,		••		•••	••	• • •	-1.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HET	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.4	12.5	2.1	.0	.0	.0	25.0	085
1-2	2.1	41.7	6.3	ō	.0	.0	50.0	
3-4	2.1	0.3	8.3	.0	.0	.0	16.7	
5-4	.0	2.1	2.1	ŏ	.0	.ő	4.2	
7	.0		4.2	ŏ			4.2	
£-9	.0	.0		ě	.0	.0		
10-11	.0	.0		ŏ		.0	ŏ	
12	.0		.0			.0	ŏ	
13-16	.0			ŏ	.ŏ	.0	:0	
17-19	.ŏ			.0	.0	.0		
20-22	.0	.ŏ	.0				.0	
23-25	.ŏ			•0	• 0	.0	•0	
76-32		•0	.0	.0	.0	•0	.0	
	.0	•0	.0	•0	.0	.0	.0	
33-40	.0	•0	• 0	• 6	•0	.0	•0	
41-48	٠,٥	.ç	.c	.0	.0	.0	.0	
49-60	.c	.0	.0	.0	.0	•0	•0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	•C	•0	.c	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
							• •	48
TOT POT	14.6	62.5	22.9	•0	•0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1972 TABLE 19 PERCENT PREQUENCY OF MAVE HEIGHT (FT) VS MAVE PERIOD (SECONDS) 8-9 10-11 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 PERIOD <1 1-2
(SEC)
<6 20.0 25.7
6-7 .0 1.4
8-9 .0 .0
10-11 .0 .0
12-13 .0 .0
1313 .0 .0
10021 14.3 1.4
707AL 24 27
PCT 34.3 38.6 87+ TOTAL MEAN HGT
.0 54 2
.0 3 3
.0 1 7
.0 0
.0 1 3
.0 0
.0 1 3
.0 0
.0 1
.0 0
.0 21
.0 20
.0 20
.0 20
.0 100
.0 20 3-4 15.7 2.9 .0 .0 1.4 .0 .0 5-6 2.9 .0 .0 .0 .0 12 13-16 17-19 20-22 23-25 76-32 33-40 41-48 2.9 .000000000 0000000000 ••••••• 0000000000 000000000 ........ 000000000 ....... •••••••• ........ 0000000000

TANLE 1

AREA 0004 NORTHWEST JAVA SEA 3.65 100.6E

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
WND DIR	PAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HDUR	THOR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY RLNG DUST BLNG SNOW	NO SIG WEA
NF E SF SW M NW VAR CALM	8.7 3.9 .0 6.9 3.1 5.9 7.9 2.1	8.7 11.6 .0 5.7 5.3 4.7 4.5 8.3	.0 6.7 2.3 4.6 2.4	000000000000000000000000000000000000000	••••••••••		00000000000	17.4 15.7 6.7 14.9 13.0 13.0 12.4 10.4	.0 6.7 .0 5.3 .6 .0 .0	15.9 15.7 .0 4.6 6.7 11.2 9.0 2.1	.00	00000000000	5.8 .0 .0 .0 .0 .0	000000000000000000000000000000000000000	63.8 72.5 86.7 80.5 74.8 77.5 78.7 79.2
TOY PCT TOT 085:	4.7 192	5.7	2.1	.0	•0	•0	•0	12.5	2.1	8.9	•0	•0	1.0	.0	76.6

TARLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIC	N TYPE					STHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHUR	DR7L	PRZG PCPH	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR	FOG HD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00403 06609 12615 18621	2.9 7.3 1.9 7.1	11.8 9.8 .0 4.3	.0 5.7 1.4	.0 .0	.0	.0	•0	14.7 17.1 7.5 12.9	5.9 4.9 .0	.0 2.4 9.4 17.1	.0 .0 .0	.0	2.9 .0 .0	•0 •0 •0	76.5 75.6 83.0 70.0
TOT PCT TOT CBS:	5.1 198	5.6	2.0	.0	.0	.0	.0	12.6	2.0	9.1	.5	•0	1.0	• •	75.8

TARLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33		48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(641) 12	15	18	21
M M S S S S S S S S S S S S S S S S S S	1.6 2.1 2.1 4.1 3.7 3.5 1.1	2.8 5.0 5.5 8.2 11.4 12.1 8.2 3.6	.6 .2 .7 1.4 1.2 3.9	.0 .2 .1	00000000	•••••••		5.0 7.3 8.3 13.7 16.5 19.6 10.9	5.4290666	6.0 5.1 11.1 13.9 13.0 23.2 14.2	8.3 5.6 22.2 11.1 22.2 .0	2.0 5.6 6.4 15.6 15.0 21.8 12.4	3.8 6.1 8.3 15.2 27.3 22.0 3.0	8.2 11.4 16.1 22.9 13.1 8.9	12.5 18.8 31.3 .0	11.9	6.9 9.2 6.3 10.9 10.3 19.0 14.9
VAR CALH TOT CBS TOT PCT	.0 13.1 197 32.7	.0 343 56.9	.c 61 10.1	.0	.o .o	.o	603	13.1	5.7	.0 3.6 93 100.0	9	16.0 125 100.0	10.6 66 100.0	107	25.0 8 100.0	16.9 118 100.0	67

## TABLE 3A

		WIND	SPEED	(KNOTS)						Hous	(GHT	1
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						OBS	FREQ	SPD	03	09	15	21
H	3.9	1.2	.0	•0	.0		5.0	5.4	6.3	2.6	5.2	6.6
NE	5.2	1.9	•1	•0	.0		7.3	5.4	3.4	5.4	7.6	9.3
	5.2	2.9	. 2	.0	.0		8.3	6.2	10.6	7.1	11.5	6.6
58	8.8	4.8	• 1	.0	. 0		13.7	5.9	14.7	15.4	16.3	10.2
\$	11.7	4.0	.2	.0	.0		16.5	<b>6.0</b>	12.8	19.2	23.5	11.8
ŠW	9.2	9.6		.0	.0		17.6	7.6	23.1	21.9	12.2	20.1
w.	4.8	5.7	. 4	.0	.0		10.9	7.6	12.6	9.2	8.3	13.2
NW	3.2	2.2	. 2	.0	.0		5.6	6.6	10.1	4.7	4.1	5.1
VAR			.0	.õ	.0		.0	.0	.0	.0		
CALM	13.1						13,1	.0	4.3	14.1	11.3	17.1
TOT DAS	392	199	12	٥	0	603		5.7	92	îÿi	1115	205
TOT PCT	45.0	33.0	2.0	•0			100.0			100.0		

PAGE 298

#### NOVEMBER

PERIOD: (PRIMARY) 1905-1971 (OVER-ALL) 1857-1971

TABLE 4

ARCA 0004 NORTHHEST JAVA SEA 3.65 106.65

#### PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (	KNOTEL			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	OBS
00603	4.3	16.3	71.7	7.6	.0	.0	.0	4.0	100.0	92
06609	14.1	20.4	56.5	8.9	.0	.0	.0	5.4	100.0	191
12615	11.3	27.0	53.0	8.7	. 0	. 0	.0		100.0	115
18621	17.1	16.1	52.7	13.2	1.0	. 0	.0		100.0	205
TOT	79	118	343	61	2	Ö	0	5.7		603
PCT	13.1	19.6	56.9	10.1	. 3	•0	.0		100.0	

TARLE 5

TABLE 6

P	PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS)  BY WI4D DIRECTION  MEAN						PERCENTAGE FREQUENCY OF CEILING MEIGHTS (FT)MH >4/8) AND OCCURRENCE OF MM <3/8 BY MIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 C 085CD	TETAL CBS	COVER	000 149	150 294	300 599	600 999	1000	2000 3499	3500 4999	5000 5499	6500 7999	8000-	44 <5/8	
N	1.0	. 8	2.8	•0		4.1	.0	• •	.0	.0	د.	.0	.0	.0	. 2	.0	5.4	
NE	.5	.0	1.8	3.1		6.8	• 0	. 0	.c	.0	1.0	1.0	. 0	•0	. 6		3.4	
£	2.3	.0	3.4			5.1	.0	• 0	ŏ		1.0			,0	•0	Š	4.9	
ŠE	3.9	2.6	3.1	1.0		3,7	1.0		ŏ	·ŏ	•••		1.5	•5		.5	8.0	
š -	2.3	2.6	12.6			5.7	• 0		1.0	1.8	. 8	•0		•0				
Š₩	1.5	5.7	10.3	6.4		5.7			Š	3.4			••		•0		16.0	
3"	2.1	2.3	5.9						٠.		3.4	2 • 1	.0	•0	•0	• ?	15.2	
						5.8	.8	• 0	•0	•0	3.1	•0	1.0	•0	•0	• )	9,3	
Ne	•0	1.5	2.3	.3		5.1	.3	• 0	•0	•0	.0	•0	• 3	•0	• 0	• 5	3.9	
VAR	.0	•0	•0	• 0		•0	•0	•0	•0	.0	-0	•0	.0	•0	•0	.0	•0	
CALM	1.0	2.1	4.1	2.1		5.1	•0	. 2	.0	.0	3.1	.0	.0	.0	• 0		6.2	
TOT UBS	15	17	45	20	97	5.5	•		1		12	3	• • •	Ť	ŏ	• • •	70	97
TOT PCT	15.5	17.5	46.4	20.6	100.0		2.1	• 0	1.0	5.2	12.4	3.1	4.1	• 0	• ŏ	•0		100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/5) AND VSBY (NH)

				VSBY (NH	13			
CEILING	• DR	• OR	e OR	a OR	• GR	- CR	<ul><li>DR</li></ul>	● OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ ER >6500	.0	•0		.0	.0	.0	•0	.0
<ul> <li>DR &gt;5000</li> </ul>	.0	. 0	.0	.0	.0	.0	.5	.0
■ DR >3500	2.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
<ul> <li>DR &gt;2000</li> </ul>	5.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9
<ul> <li>□R &gt;1000</li> </ul>	13.9	19.8	19.8	19.8	17.8	19.8	19.8	19.6
■ DR >600	15.8	24.8	24.8	24.8	24.8	24.6	24.8	24.8
■ DR >300	10.8	25./	25.7	25.7	25.7	25.7	25.7	25.7
<ul> <li>DR &gt;150</li> </ul>	16.8	25.7	25.7	25.7	25.7	25.7	25.7	25.7
• DR > 0	16.8	26.7	27.7	27.7	27.7	27.7	27.7	27.7
TOTAL	17	27	28	28	28	26	28	28

TUTAL NUMBER OF DBS: 101

PCT FREQ NH <5/81 72.3

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 0 7 8 USSCD DBS 6.8 9.7 28.2 15.5 11.7 8.7 4.9 4.9 7.8 1.9 103

N	n.	Æ	M	2 2

							NUA	ENBER						
ERIODI (PRIMARY) 1 (OVER-ALL) 1			TABLE 8						ARE	A 0004	NORTHWEST JAVA SE 3.65 106.6E			
		PI	PRCENT				CTION TH VAR						E OF	
VSBY (NM)		•	NE	£	SE	S	5¥	w	Nw	VAR	CALM	PÇT	TOTAL OBS	
<1/2	PCP NO PCP TOT %	.0	.0	•0	•0	•0	.0	.0	•0	.0	•0	.0		
1/2<1	PCP NO PCP TOT %	.c .o	.0	.0	.3 .0 .3	.3 .0 .3	.5	.0	.0	.0	•0	1.0 .0 1.0		
1<2	PCP ND PCP TDT %	.0 .5	.0	.0	.0	•0	•0	.0	.0 .5	.0	•0	1.0 1.0		
2<5	PCP NO PCP TOT %	.5	.0	.0	1.0	.0 .5	.5	.0	.0	.0	•0	2.1		
5<10	PCP NO PCP TOT %	3.3 4.0	1.2	2.2 2.2	3.5 3.8	1.0 3.6 4.7	.A 4.4 5.2	4.2 4.6	.7 2.1 2.7	.0	.5 2.1 2.6			
10+	PCP ND PCP TOT %	.3 3.6 3.9	.3 4:4 4:7	.5 5.1 5.6	6.1 6.3	.9 10.7 11.6	1.0 14.7 15.8	1.0 6.0 7.0	.0 3.0 3.0	•0	5.7 5.7	4.2 59.4 63.5		
	TOT OBS												192	

TOT 085 TOT 0CT 9.0 6.6 7.8 11.3 17.1 22.0 11.6

TABLE 9

/SBY	SPO	N	NE	Ε	SE	s	sw	h	NW	VAK		PCT	TOTAL
NM)	KTS		-		36	3	3#	•	75 W	YAK	CALM	PCI	USS
	0+3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	4-10	.0	•0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	•0	•0	•0	.0	•0	.0	.0	•0	.0	•0	.0	
	0-3	.0	.0	•0	•2	•2	.0	.0	.6	.0	.0	. 2	
/2<1	4-10	٠0	•0	•0	•0	.2	.5	.0	.0	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	.c	.c	-0	.0	.0	.0		.0	
	TOT &	.0	.0	•0	.2	.3	.5	.0	.0	.0	.0	1.0	
	0-3	.0	•0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	•0	•0	.0	٠.	.0	,.0		.0	
	11-21	.3	.0	•0	•0	.0	.0	•0	.3	.0		. 6	
	22+	.0	.0	•0	•0	•0	•0	•0	.0	.0		.0	
	TOT \$	.3	•0	.0	•0	•0	•0	.0	.3	.0	.0	.6	
	0-3	. 3	.0	.0	.6	.3	.0	.0	.0	.0	.0	1.3	
2<5	4-10	٠.	•0	.0	•0	.0	.0	.0	•0	.0		•0	
	11-21	.0	.0	•0	.3	.0	.3	.0	.0	.0		.6	
	22+ TOT \$	.0	٠0	•0	0	•0	•0	•0	•0	•0	_	.•0	
	א יטו	.3	.0	.0	1.0	, 3	. 3	.0	.0	.0	.0	1.9	
	0-3	.4	. 6	.3	•0	. 6	.3	.0	.3	.0	, 2.3	4,9	
5<10	4-10	1.8	٠.6	1.1	1.7	2.3	3.2	2.9	1.3	.0		14.9	
	11-21	.3	.0	.2	• •	.0	. 3	.2	- 1	.0		1.9	
	22+	0	0	0	.0	.0	.0	.0	• •	.0		0	
	TOT \$	2.5	1.2	1.5	2.5	2.9	3.9	3.2	1.7	.0	2.3	21.8	
	0-3	1.6	2.3	1.5	2.8	1.8	1.5	.,	. 6	.0	11.0	24.0	
10+	4-10	1.5	4.2	4.3	6.5	10.2	1.1	5.0	1.4	٠,٥		42.9	
	11-21	.3	.0	.3	.0	1.4	3.8	1.5	• •	.0		7,8	
	55+	.0	0	0	.0	0		0	.0	.0		0	
	TOT &	3,6	6.5	4.1	1.4	13.4	14.2	7.5	3.0	٠.	11.0	74.7	

PAGE 300

()

(

ĺ

)

NOVEHBER

PERIOD: (PRIMARY) 1905-1971 (OVER-ALL) 1857-1971

TABLE 10

AREA 0004 NORTHWEST JAVA SEA

PERCENT	FREQUENCY 6	F CR	114G	HEIGHTS	(FEET, NH	>4/81	AY
	Decum	ENCE	ME NI	4 /5/5 6	45114		

HOUR (GHT)	000 149	190 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
60300	.0	.0	.0	5.3	5.3	10.5	.0	·c	.0	.0	21.1	78,9	19
<b>*03</b> 60	.0	•0	4.5	4.5	9.1	.0	4.5	•0	.0	.0	22.7	77.3	22
12615	.0	.0	.0	3.3	6.7	.0	6.7	•0	.0	•0	16.7	#3.3	30
18821	6.5	.0	.0	6.5	22.6	3.2	4.5	.0	.0	•0	45.2	54.8	31
TOT	2	0	. 1	. 5	12	. 3	. 5	0	0	0	. 28	74	102

TABLE 11

\$

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HOUR		CUMULAT					V\$8' (NH)	
HOUR (GHT)	41/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL OBS</th> <th>HOUR (GMT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 <b>&lt;</b>1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL DBS</th>	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
£0300	•0	.0	1.9	1.9	15.4	ac. 8	52	60803	•0	-0	5.3	15.8	78,9	19
90360	.0	2.5	.0	1.2	14.8	41.5	<b>8</b> 1	06609	.0	4.5	9.1	13.6	77.3	22
12615	•0	.0	.0	1.3	19.7	73.9	70	12615	•0	.0	3.3	13.3	83.3	30
18821	.0	1.0	1.0	2.9	32.4	62.9	105	18621	6.7	6.7	13.3	33.3	53.3	30
TOT PCT	•0	3 1.0	, 2 , 6	1.7	69 22.0	234 74.5	314 100.0	TOT PCT	2.0	3.0	7,9	20	73 72.3	101

TABLE 13

PERCENT PREQUENCY OF RELATIVE HUMIDITY BY TEMP
TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 60-89 90-100 DBS PREQ
85/89 .0 .0 .0 .0 .0 .21 2.8 1.4 .7 10 6.9
80/84 .0 .0 .0 .0 .0 .7 31.7 48.3 4.8 124 85.5
75/79 .0 .0 .0 .0 .0 .7 31.7 48.3 4.8 124 85.5
75/79 .0 .0 .0 .0 .0 .7 3.4 2.8 10 6.9
70/74 .0 .0 .0 .0 .0 .0 .0 .0 .7 1 .7
707AL 0 0 0 0 4 51 77 13 145 100.0
PCT .0 .0 .0 .0 .0 2.8 35.2 53.1 9.0

TABLE 14

PERCENT PREQUENCY OF WIND DIRECTION BY TEMP

N NE E SE S SM M NM VAR CALM

10 .3 1.0 1.6 .5 1.4 .7 .0 .0 1.4

7.4 5.0 4.8 8.3 13.3 22.4 11.4 4.7 .0 6.2

0 .7 .7 .7 2.1 1.9 .5 .2 .0 .0

7.4 6.0 6.6 10.7 15.9 25.7 13.3 6.9 .0 7.6

TABLE 15

TABLE 16

| NOTAL | NOTA

PERIOD: (PRIMARY) 1905-1971 (OVER-ALL) 1857-1971

TABLE 17

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCUPRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73 76	77 80	81 84	85 88	89 92	TOT	FUG	#U FCG
4	.0	-0	.0	.6	.6	2	•0	1.3
3	.0	.0	.0	. 6	.0	1	• 0	.6
Ž	.0	.0	2.5	1.9	.0	7	• 0	4.4
ī	.5	.5	4.5	1.5	.5	16	.5	10.3
ŏ	.0	.0	11.9	• ^	.0	19	• 6	11.3
1 0 -1	ŏ		20.0	:.	.0	33	. 5	20.6
	.0	3.8	21.9	.0		41	.5	25.5
-2 -3								
-3	.0	3.8	6.9	•0	.0	17	• ?	10.0
-4	.0	5.6	3.1	.0	•0	14	• 0	8.8
-5	.6	1.3	1.3	. 0	• •	5	•0	3.1
-6	.0	.0	.6	· c	.0	1	• 0	.6
-7/-8	. 6	1.3	. 0	.0	.0	š	• 2	1.9
-11/-13	.6	•0	.0	. 0	.0	ī	. 0	.6
TOTAL	3	• • •	123	•	1	•	1	159
	•	25			•	160		• • •
BCT	1.0	15.6	14.9	4.0	. 6	100.0		99.4

PERIOD: (QVER-ALL) 1963-1971

•

(

TABLE 18

PET FREG OF MIND SPEEC (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 = 2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 33-40 41-48 49-60 61-70 71-86 + TOT PCT 11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-3 3.0 11-21 E 22-33 .00 .00 .00 .00 .00 .00 .00 .00 .00 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-32 26-32 33-40 41-48 49-60 61-70 71-86 70 FCT 4-47 1-3 

PAGE 302

PERIOD: (DVER-ALL)			NDVEMBER												
PEKTODI	LOVE	R-ALL)	1403-1	9/1				TABLE 18 (CONT	7)			AKEA		65 106	ST JAVA SE .68
				PC	T FREO	OF WIND	SPEED	(KTS) AND DIPE	CTION V	ERSUS S	SEA HEIG	HTS (FT	)		
	1-3			\$							SW	<b>-</b>			
HGT ≪1	2.0	4-10	11-21	72-33	34-47	48+	PCT	1-3	4-10 8.0	13-21	27-33	34-47	48+	PCT	
1-2	2.0	11.5	•0	.0	.0	•0	2.0	2.0	12.0	•0	.0	•0	•0	10.0	
3-4		1.5	1.5	.0	.0	• 0	11.5	.5	8.0	2.5	•0	•0	•0	12.5	
5-6	ě			•0	.0	•0	3.0	•0			•0	•0	.0	10.5	
77	.0		ó	.0		:0		•0	.5	• 0	•0		•0	•0	
8-9	.ŏ	.0	.0	.0	.0	ŏ	•0	.0	.0	•0	•0	• • • •	•5	• • •	
10-11	č	.0	•0	.0	.0	:0	.0	ő	.0	•0	•0	•0	• 0	•0	
12	.5	.0	•0	.0	.0	.0	•0	.0	.5	•0	•0		.0	•0	
13-16	.ŏ			.0	.0	.0	.0	• 9	.0	.0	•0	•0	•5	•0	
17-19	.ŏ	.5	•0		.5						.0		.0	•0	
20-22	.5	.ŏ	.0	•0	.5	.0	•0	•0	•0	•0	•0	•0	•0	•0	
23-25	.ŏ	.0	•0				•0	•0		•0	•0		•0	•0	
26-32		:0	•0	.0	•0	•0	•0	•0	.0	.0	•0	•0	•0	•0	
33-40	.0	.0	.0	•0	.0	.0	•0		.5	•0	•0	•0	.0	•0	
41-48	.0	.0		٥.	.0	.0	•0	.0	.0	.0	•0	•0	•0	•0	
49-60	.0	.0	•0		٠,		•0	• 2		.0	•0	• 0	.0	•0	
61-70	.0		•0	•0	• • • •	•0	•0	•0	•0	.0	•0	•0	•0	•0	
71-86	ŏ	.0	•0	.0	• 2	•0	•0		•0	•0	•0	•0	•0	•0	
57+	.0	.0	•0	.0	.0	.0	•0		•0	•0	•0	• • •		•0	
TOT PCT	2.0	13.0	0	•0	.:	•0			.0	.0	•0	•0	.0	0	
TOT PC	2.0	13.0	1.5	.,	.0	••	16.5	2,5	28.0	2.5	٠٠	•9	.0	33.0	
				w							Nie				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	•0	.0	•0	.0	.0	-0	.0	.0	.0	.0	•0	•0	.0	.0	-
1-2	1.5	5.5	2.0	.0	.0	.0	9.0		. 5	2.0	.0	•0	.0	2.5	
3-4	.0	.0	.0	.0	.0	.0	.0		2.0	• 0	.0	•0		2.0	
5-6	•0	. 9	.0	.0	.0	.0	.0		.0	• 6	.0	•0	.0	.0	
7	.0	.0	•0	.0	.0	.0	.0	.0	.0	. 5	.0	•0	.0	• • •	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	•0	
10-11	-0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
12	.0	٠.	•0	.0	.0	.0	.0		•0	. 0	-0	•0	.0	.0	
13-16	.0	.0	•0	-0	.0	.0	.0	.0	.0	.0	ā.	•0	.0	.0	
17-19	.0	.0	•0	•0	.0	.0	.0	•0	.0	• C	.0	•0	.0	.0	
20-22	.0	.0	•0	.0	.0	•0	•0	•0	.0	•0	.0	•0	.0	.0	
23-25	.0	.0	•0	.0	.0	• C	• 0		.0	.0	.0	•0	.0	.0	
26-32	٠.	.0	•0	.0	.0	.0	•0	• • • •	•C	.0	.c	• 0	.0	• 0	
33-40	•0	.0	•0	.0	.0	.0	•0	.0	:0	.0	.0	.0	.0	•0	
-1-48	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
49-60	٠.	.0	•0	.0	.0	.0	9.		:0	.0	.0	•0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	•0		.0	•0	.0	•0	.0	.0	
71-86	.0	.0	•0	.0	.0	•0	•0	.0	•0	•0	.0	•0	:0	•0	
87+	.0	.0	•0	.0	.0	•0	.0		•0	•0	.0	•0	.0	•0	
TOT PCT	1.5	5.5	2.0	.0	.0	•0	9.0	.0	2.5	2.0	.0	•0	.0	4.5	88.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	19.6	15.7	•c	.0	.0	.0	35.3	GBS
1-2	2.0	37.3	5.9		. o	.0	45.1	
3-4	2.0	11.6	5.9				19.6	
5-6	.0	.c	.c	.0	.0		.0	
7	.0	.0	.0			.0	.0	
8-9	.0	.0	.0				.õ	
10-11	.0	.0	.0				.0	
12	.0	.0					ž	
13-16	.0	.0	.0				.0	
17-19	.0	.0					.0	
20-27	.0	.0	.0				,o	
23-25	·ò	.0	.0				ō	
26-32	.0	.0	.0				, o	
33-40	.0	.0	.0				, o	
41-48	.0	.0	•0				ō	
47-60	.0	.0	.0				, ŏ	
61-70	.0	.0	.0				ŏ	
71-86	.0	.5	.0				.ŏ	
87+	.0	.ŏ	.0				.0	
	• •	••	•••	•••	•••	•••	•••	51
TOT BOT	92.5	44.7	11.8	- ^	- 0	٠.٨	100.0	

PERIODI (OVER-ALL) 1949-1971 TABLE 19 PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 23.5 29.4 .0 1.2 .0 .0 .0 .0 .0 .0 16.5 3.5 34 29 40.0 34-1 87+ TOTAL MEAN HGT .0 56 1 .0 4 3 .0 1 5 .0 0 1 5 .0 0 0 3-4 5-6 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 12.9 3.5 .0 .0 .0 .0 4.7 18 21.2 .0 1.2 .0 .0 1.2 2.4 4.7 56 4 1 0 0 1 23 85 100.0 0000000000 ....... .0000000000 0000000000 000000000 ........ 000000000 ...... 000000000 0000000000 0000000000 0000000000 0000000000 000000000 0000000000

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1856-1971

(

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.68 106.6E

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			1	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HFNA	
WNO DIR	RAIN	RAIN Shwr	OR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR	FOG WO PCPN	POG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N.	5.0	15.0	.0	.0	.0	.0	.0	20.0	0	5.0	.0	.0	•0	•0	75.0
NE	.0	5.6	.0	.0	• 0	.0	•0	5.6	11.1	11.1	.0	.0	•0	•0	72.2
E	٠.	.0	.0	.0	.0	.0	.c	.0	18.2	.0	•0	.0	•0	.0	81.0
SE	.0	.0	.0	٠.	.0	.0	.0	.0	•0	.0	12.9	.0	38.7	•0	48.4
5	.0	٠.	.0	.0	.0	.0	.0	.0	•0	14.8	14.8	.0	.0	•0	70.4
Şu	14.0	1.6	.0	.0	.0	.0	.0	15.8	.0	26.3	.0	.0	•0	.0	68.4
w	21.3	7.4	4.3	.0	.0	.0	.0	28.7	t.5	13.0	.0	.0	•0	.0	59.6
Äъ	10.4	5.2	2.1	.0	.0	.ŏ	.0	17.6	4.1	9.3	• 6	iò	•0	ž	72.0
VAR	.0		0		.0				.0		.0	.0			
CALM	.0	.ŏ	.0	.0	.0	.0	.0	.0	10.0	10.0	.0	,0	.0	.0	80.0
TOT PCT	9.0	5.5	1.4	.0	•0	.0	.0	15.2	4.8	10.3	1.4	•0	2.1	•0	69.7

TABLE 2

#### PERCENT FREQUENCY OF WEATHER GCOURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	MEATHER	PHENO	MENA	
HOUR (GHT)	RAIN	RAIN SHUR	DAZL	FRZG PC ⁿ N	SNOW	OTHER FRZN PCPH	HAIL	PCPN AT OB TIME	PCPH PAST HOUR	THOR LTMG	F06 W0 PCP4	POG WD PCPH PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	5.6 .6 12.2 14.9	2.8 13.5 .0 6.4	2.8 .0 2.4 .0	.0 .0 .0	.0 .0 .0	.00	.0	11.1 13.5 12.2 71.3	8.3 .0 .0 8.5	.0 17.1 19.1	2.7 2.4	.0 .0	2.7 2.4 2.1	.0 .0 .0	80.6 81.1 68.3 57.4
TOT PCT	8.7 161	5.6	1.2	.0	•0	.0	•0	14.9	4.3	9.9	1.2	•0	1.9	• າ	70.8

TABLE 3

## PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			2 <b>2-33</b> ED (KNO		48+	TOTAL DBS	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(G4T) 12	15	18	21
N E E E E E E E E E E E E E E E E E E E	1.5 1.5 1.2 .7 2.2 2.5 3.5 2.7	7.8 2.8 1.0 1.6 3.1 8.8 13.4 20.9	1.6 .1 .0 .1 .8 2.7 3.6		.0	•••••••••		11.0 4.4 2.3 2.3 5.8 14.1 20.8 30.4	7.0 5.1 4.2 4.9 5.1 7.2 7.5 8.4	4.2 2.1 2.1 .0 2.4 12.8 24.3 43.9	20.0 20.0 .0 .0 .0 .0	9.2 1.1 .0 1.4 4.1 14.1 30.2 35.6	12.3 5.1 2.2 5.8 13.0 10.9 15.9 27.5	15.6 3.8 .9 4.2 7.5 13.9 17.2 21.7	8.3 .0 .0 16.7 .0 45.8 20.8 8.3	13.8 10.2 6.1 1.5 5.9 12.8 15.1 25.5	8.9 4.3 1.2 .0 3.0 18.3 22.0 34.1
TOT DAS TOT PCT	8.9 131 24.7	315 59.4	78 14.7	6	.0	.0	530	100.0	6.6	8.3 72	20.0	4.3 92 100.0	7.2 69	15.1	•0	8.2 98	8.5

## TABLE 3A

WND DIR	9 <del>-6</del>	WIND 7-16	SPEED 17-27		41+	TOTAL CBS	PCT FREQ	MEAN SPD	00 03	HGU! 06 09	(GHT) 12 15	18 21
N	6.2	4.6	.2	.0	.0		11.0	7.0	5.2	10.6	15.2	11.4
NE	3.3	1.1	.0	•0	.0		4.4	5.1	1.9	2.0	3.6	7.5
E	1.8	. 5	.0	.0	.0		2.3	4.2	3.2	. 9	. 9	3.9
58	2.0	.3	•0	.0	.0		2.3	4.9	.0	3.3	4.9	
\$	4.7	. 9	• 2	.0	.0		5,8	5.1	2.3	7.9	7.1	4.6
Šw	8.2	4.9	1.0	ŏ	.0		14,1	7.2	12.0	12.7	15.6	15.3
¥.	10.7	9.0	.,	ii	.0		20.8	7.5	23.4	24.1	17.4	18.8
NW	12.5	16.2	1.6	•1	.0		30.4	1.4	42.9	32.1	21.0	29.4
VAR			.0	.0	.0		.0	.0	.0	.0	0	.0
CALM	8.9		•	•			8,9	.c	9.1	5.6	14.3	1.3
TOT DBS	309	199	21	1	0	530	- • •	4.6	77	161	112	180
TOT BET	40.3	17.4	4.0	. 5			100.0			100.0		

PAGE 304

43

2

DECEMBER

PERIODI (PRIMAPY) 1912-1971 (OVER-ALL) 1856-1971

TARLE 4

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

	_				SPEED (				PCT	TOTAL
HOUR	CAÜM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREO	085
60300	9.1	20.8	49.4	16.2	2.6	.0	.0	7.0	100.0	77
90200		13.0	64.6	15.5	1.2	.0	.0	7.1	100.0	161
12615		17.9	55.4	12.5	.0	.0	.0	5.6	100.0	112
18621		15.0	61.7	13.9	1.1	.0	.0	6.6	100.0	180
TOT	47	14	315	78		0	•	6.6	-	530
BET		15.0	59.4	14.7	1.1	.0	.0		100.0	

TABLE 5

TABLE 6

			• • •															
	PCT FRE			LOUD A		(EIGHTHS)		1					CEILIN NH <5/					
WND 01F	R 0-2	3-4	5-7	8 £	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	<b>\$</b> 000÷	NH <5/8 ANY HGT	
N	.0	1.9	.0	1.9		6.0	•0	•0	.0	.0	.0	.0	.0	•0	.0	.0		
NE	.0	1.9	1.9	•0		4.5	•0	. ^	•6	• 0	.0	• 0	۰.	.0	1.9	• 0	1.9	
	.0	.0	.0	1.9		8.0	•0	.0	.0	1.9	.0	.0	.0	•0	.0	.0	.0	
ŠE	.ŏ	ŏ	2.4			6.8	• 0	• 0	. 6	.0	.0	.0	1.9	.0	.0	.0	.5	
3.				2.8		7.3	• 0		.0	9.	.0	•0	.0	•0	.0	.0	4.2	
3	0	.0	1.4						. 0	. 5	2.8	.0	.0	.5	•0	.0		
S¥	1.9	.0	8.5	5.7		6.5	•0	•0	٠.							• -		
W	1.9	1.9	9.9	8.5		6.1	•0	••	•0	3,3	4.7	•0	•0	•0	•0	•0		
ÑW	1.9	7.5	13.7	15.1		6.1	•0	•0	.0	7.5	7.5	3.8	.0	-0	•0	•0	19.3	
VAR	.0	.0	.0	•0		•0	•0	•0	.0	•0	.0	•0	.0	•0	•0	•0	•0	
CALM	.0	1.9	5.7	•0		5.5	•0	•0	.0	.0	1.9	.0	.0	.0	•0	.0	5.7	
TOT OB		***	23	19	53		ŏ	0	ŏ	Ť	- 9	• • •	, i	ō	1	ō	33	53
							•ŏ	•0	.0	13.2	17.0	3.8	1.9	•0	1.9	•0		120.0
TOT PC	7 5.7	15.1	43.4	35.8	100.0	,	•0	•0		43.2		340	7.4.	•0	4.,	•0		

TARLE 7

CUMULATIVE	PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CEILIS	NG HEIGHT	(NH >4/8) AND VSBV (NH)

				VSEY (NH	1			
CEILING	⇒ GR	• OR	. OR	= DR	• OR	- CR	• DR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DK >6500	1.5	1.8	1.5	1.0	1.6	1.8	1.8	1.8
■ DR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
■ DR >3500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3,6
■ GR >2000	5.5	9.1	9.1	9.1	9.1	9.1	9.1	9.1
• DR >1000	20.0	23.6	23.6	23.6	23.6	23.6	25.5	25.5
• DR >600	29.1	36.4	36.4	36.4	36.4	36.4	38.2	38.2
• DR >300	29.1	36.4	36.4	36.4	36.4	36.4	30.2	38.2
■ DR >150	29.1	36.4	36.4	36.4	36.4	36.4	30.2	36.2
			36.4	36.4	36.4	36.4	30.2	38.2
■ DR > 0	29.1	36.4	30.4	30.4	20	20.4	21	21

TOTAL NUMBER OF OBS: 55

PFT FREQ NH (5/81 61.8

TABLE 7A

PERCENTAGE PREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 C DBSCD TOTAL OBS.
.0 10.0 16.7 16.7 18.3 6.7 11.7 5.0 15.0 .0 60

DECEMBER					
	- 11		-	e	£

							DEC	EMBER						
PERIOD: (PRIMARY) : (OVER-ALL) :							TA	BLF #				ARE	0004	HORTHWEST JAVA SEA 3.65 106.6E
		P	RCENT	FREQ (	OF WIND	DIRECTION WIT	TION Y	AING A	URRENCE ALUFS	E OR N	ON-OCC	URRENC Y	E OF	
VSBY (NH)		N	NF	E	SE	S	54	w	NH	VAR	LALM	PCT	TOTAL	
<1/2	PCP NO PCP TOT %	0.0	00.0	.o .o	.0 0.	•0	•0	.0	•0	.0	0.0	.7 .0 .7		
1/2<	PCP L NO PCP	.0	2.	.0	.0	•0	•0	.0	•0	.0	•0	.0		
	PCP	•0	.0	•0	.0	•0	•0	.0	•0	.0	.0 .7	.0		
1<2	NO PCP	.0	.0	•0	2.1	•0	•9	.0	•0	.0	•7	2.8		
2<5	PCP NO PCP TOT %	.3 .0 .3	.3	.3	.0 .0	•0	• • • • •	.0	.3 .7 1.0	.0 .0	•0	.7 1.4 2.1		
5<10	PCP ND PCP TOT %	9.4 6.2 9.6	2.0 3.1	.0 1.4 1.4	.0 1.4 1.4	.0 1.7 1.7	1.0 2.1 3.1	2.8 3.4	3.1 7.9 11.0	•0	3.4 3.4	7.6 29.7 37.2		
10+	PCP ND PCP TDT %	4.8 4.8	2.5	.0 /·1 2·1	.0 1.9 1.9	.0 2.9 2.9	.3 6.7 6.6	3.4 8.8 12.2	2.4 16.8 21.2	.0	.0 2.8 2.8	6.2 51.0 57.2		

TABLE 9

			١						VS WIE		ED		
VSBY (NM)	SPD KTS	N	RE	E	SE	\$	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	•0	.0	•0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	٠.	.0	.1	.2	۰,	۰,		. 3	
	22+	.0	.0	•0	•0	•0	.0	.0	.0	•0		.0	
	TOT %	.0	•0	•0	•0	•0	-1	.2	••	•0	•0	.3	
	0-3	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	
1/2<1	4-10	•0	.0	.0	•0	.0	.0	٠,	• 0	.0		.0	
	11-21	.0	•0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	•0	.3	.0	.0	.0	.0	.0	.3	.6	
1<2	4-10	.2	. 2	.0	.6	.0	.0	.0	.3	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	•0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.2	.2	•0	1.0	•0	.0	.0	.3	•0	. 3	1.9	
	0-3	.0	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	
2<5	4-10	.3	. 2	.0	.0	.0	.2	.5	1.8	.0		2.9	
	11-21	.0	٠.	.0	.0	.0	.0	.2	.5	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.3	.3	• 2	.0	•0	.2	.6	2.2	.0	.3	4.2	
	0-3	.6	.5	.3	.3	.2	.3	.5	. 5	.0	1.6	4,8	
5<10	4-10	2.4	1.0	.3	.2	.3	1.3	1.8	4.6	.0		11.9	
	11-21	1.0	.0	.0	. 2	.5	.0	.0	1.3	.0		2,9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		•0	
	TOT %	4.0	1.4	. 6	•6	1.0	1.6	2.2	5.4	٠.	1.6	19.6	
	0-3	1.0	1.9	1.0	.3	.5	1.9	3.5	3.0	.0	7.1	20.2	
10+	4-10	6.4	2.9	. 6	.6	1.6	7.5	9.3	18.8	.0		47.0	
-	11-21	1.0	.0	.0	•0	.0	.7	1.7	2.7	.0		6.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	8.3	4.6	1.6	,9	2.3	9.9	14.5	24.6	.0	7.1	74.0	
1	TOT DRS												312
1	TOT PCT	12.8	6.7	2.4	2.5	3.3	11.8	17.6	33.8	.0	9.3	100.0	

PAGE 306

DECEMBER

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1856-1971

TABLE 10

AREA 0004 NORTHWEST JAVA SFA 3.65 106.6E

PERCENT FREQUENCY OF CELCING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1959	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	HH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	.0	21.1	15.3	5.3	.0	.0	.0	•0	42.1	57.9	19
90360	.0	.0	.0	.0	10.0	10.0	.0	.0	.0	•0	20.5	80.0	10
12615	.0	.0	.0	6.3	12.5	6.3	6.3	.0	•0	•0	31.3	68.8	16
18621	.0	.0	.0	15.4	23.1	•0	.c	.c	7.7	•0	46.2	53.8	13
TOT	.0	.0	٥.	7	15.5	5.2	1.7	.0	1.7	.0	21 36.2	37 63.8	58 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VS8Y	(NH)	BY HOUR		CUPULAT					VSBY (NH) ),BY HOUR	
HDUR (GMT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL DBS</th> <th>HOUR (GMT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL DBS</th>	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	1.9	9.6	19.2	69.2	52	00203	.0	.0	21.1	21.1	57.9	19
90360	.0	.0	2.6	3.8	28.2	65.4	78	90360	•0	•0	.0	22.2	77.8	9
12615	.0	.0	1.2	1.2	19.3	78.3	83	12615	.0	.0	7.1	28.6	64.3	14
18621	.9	.0	1.7	3.5	21.7	72.2	115	18621	•0	7.7	23.1	23.1	53.8	13
TGT	1 2	0	6	13	73 22.3	235 71.6	328 100.0	TOT PCT	.0	1.6	8 14.5	23.6	34 61.8	55 100•0

TABLE 13

TABLE 14

	PERCI	ENT FR	EQUENCY	7 DF R	ELATIVE	HUMI	DITY BY	Y TEKP				PERC	ENT FP	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	90-89	90-100	TOTAL	PCT FREG	N	NE	E	SE	S	SW	H	NW	VAR	CALM
85/89 80/84 75/79	.0	.0	.0	•0	.0	4.6 16.5 .0 23	46.8	.0 11.0 6.4 19	82 18	8.3 75.2 16.5 100.0	1.8 10.1 1.#	5.0 5.0	2.8	4.4	4:8	6.4 2.1	11.0 5.7	2.8 26.1 5.0	.0 .0	.9 4.6 .9
TOTAL PCT	.5	.0	•			-		17.4	104		13.8	5.0	3.7	5.3	5.7	9.4	16.7	33.9	•0	6.4

				TAB	LF 15									TABLE	16			
	HEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	1P (DE	G F) 8	Y HOUR		PERC	ENT FRE	GIIENCA	OF RFLA	TIVE H	YTIGIPL	8Y HQUI	l .
HOUR (GHT)	MAX	99%	95%	50%	5%	1*	HIN	MEAN	TOTÁL S <b>é</b> O	HUUR (GHT)	0-29	30-59	60-69	70-79	89-89	90-100		TOTAL OBS
00603 06609 12615 18621 TOT	89 89 87 88 89	88 86 84 85	84 87 84 83	81 82 82 81 81	76 7 <b>9</b> 79 76 77	75 75 77 74 73	75 73 77 73 73	80.6 82.4 81.5 80.3 81.2	76 160 119 179 536	00603 06609 12615 18621 707	•0	•0	13.3 2.9 .0 5	19.2 30.0 26.5 17.6 29	50.0 43.3 58.8 67.6	30.8 13.3 11.8 14.7 21	86 80 82 84 83	26 30 34 34 124

DECEMBER

PERIOD: (PRIMARY) 1912-1971 (OVER-ALL) 1856-1971

TABLE 17

AREA 0004 NURTHWEST JAVA SEA 3.65 106.6E

PCT FRPO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	w	WD
THP DIF	76	69	84	80	92		FOG	FOG
			•					
7/8	.0	.0	.0		.0	1	.0	.8
À	.0		.0	.0		ž	.0	1.6
ī		.0	ï	2.5	.0	7		3.3
7	•0					7		
,	.0	•0	.0		-1	2	•0	1.6
2	.0	.0	3.3	.0	. 1	5		3.3
ī	·ō	.0	4.9	2.5	.0	•	.0	7.4
ŏ		.0	13.1	4	.0	17		13.9
	••							
-1	•0	2.5		.0	.0	17	• 0	13.9
-2	.0	9.0	15.6	.0	.0	30	. 8	23.8
-3	.0	4.1	6.6	•0	.0	13	.0	10.7
-4 -5	.0	6.6		.0	.0	9	. 0	7.4
-5		.0	2.5	Ö	.0	À	.0	3.3
-6	·õ	3.3		. 0	.0	5	.0	4.1
-7/-8		1.6	.0	.0	.0	3	•0	2.5
-11/-13	.0		.0	.0	.0	1	.0	
TOTAL	2		73		3	-	2	120
	-	35		•	-	122	-	
44.								
PCT	1.0	28.7	27.5	7.4	2.5	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1962-1971

(_

TABLE 18

				PC	T FREG O	F WIND	SFEED	(KTS)	AND DIREC	TION V	ERGUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-53	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7		.0	. 6	.0	.0	•0	.0	.0
3-4	•0	.0	.0	٠.	.0	•0	•0		• 0	• 0	.0	.0	•0	•0	.0
5-6	۰.	.0	•0	•0	.0	•0	•Q		.0	•0	.0	.0	•0	.0	.0
7	.0	.0	•0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	.0
8-9	•0	.0	•0	•0	•0	•0	.0		.0	.0	.0	.0	•0	•0	•0
10-11	.0	.0	•0	.0	.0	.0	•0		•0	•0	.0	.0	•0	.0	•0
12	.0	•0	•0	•0	.0	.0	.0		•0	.0	.0	.0	•0	.0	.0
13-16	•0	•0	•0	.0	.0	•0	.0		•0	•0	.0	.0	•0	٠.0	•0
17-19	.0	.0	.0	.0	.0	•0	٥٠		٠Ō	•0	.0	.0	•0	.0	.0
20-22	.0	.0	•0	.0	•0	•0	• 0		•0	.0	•0	•0	•0	•0	•0
23-25	.0	.0	•0	.0	•0	•0	.0		•0	•0	•0	.0	•0	•0	•0
26-32	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	.0	•0	•0	•0
33-40	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
41-48 49-60	.0	.0	•0	.0	.0	•0	•0		•0	.0	.0	•0	•0	•0	•0
41-70	.0	.0	•0	•0	•0	.0	٠Q		•0		•0	.0	•0	•0	•0
71-86	.0	.0	•0	.0	• 0	.0	•0		•0	•0	•0	•0	•0	.0	•0
87+	.0		•0	•0	.0	.0	•0		•0		.0	.0	•0	.0	•0
TOT PCT	.0	6.7	•0	•0	.0	•0	6.7		.0	.0	.0	.0	•0	.0	•0
101 PC1	•0	•. /	•0	.0	•0	•0	0.7		•0	•0	.5	.0	•4	.0	•0
				E								SE			
HGT	1-3	4-10	11-21	22-93	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1_	.0	.0	•0	٠0	.0	• 0	.0		•0	3,3	•0	.0	•0	•0	3.3
1-2	۰.	.0	•0	.0	.0	.0	0		• 0	.0	.0	•0	•0	٠0	.0
3-4	.0	.0	•0	.0	.0	•0	•0		•0	.0	.0	•0	•0	•0	•0
5=6 7	.0	.0	•0	.0	•0	•0	.0		•0	.0	•0	•0	•0	:0	•0
8-7	.0	.0	•0	•0	.0	.0	•0		•0	.0	•0	•0	•0	.0	•0
10-11	:0	.0	•0	.0	.0	•0	•0		•0	.0	•0	•0	•0	.0	•0
12	:0	.6	•0	.0	.0	:0	0.0		.0	:0	.0	:0	•0	:ŏ	•0
13-16	:ŏ	:0	.0	.0	.0	:0	:0		ŏ		:0	:0	•0	:0	:0
17-19	.ŏ			.0	.0	.0	.0		ĕ	ě	:0	;	•0	:ŏ	.0
20-22		.ŏ	ö	.ŏ		.0	ŏ		š	ŏ		:0		:0	.ŏ
23-25	.ŏ	.ŏ	.0		ě	.0	ŏ		ŏ	ŏ		.0	.0	:0	٠٥
26-32	.0	.ŏ	ŏ	.0	:0	.ö	ö		ŏ	ŏ	:ŏ		.0	:ŏ	ŏ
32-40	.ŏ		.0	:	.ŏ		ě			;ŏ		.0	iŏ	.0	.0
41-48	.ŏ	.ŏ	ŏ	:ŏ	ñ	:ŏ			ě	ě	ě		ŏ	:0	·ŏ
49-40		.ŏ			ö	.ŏ	ŏ		ŏ				.0	:0	ě
61-70		.0			:0	.ŏ	.ŏ		ĕ	.0	ŏ		.0		.0
71-86	.ŏ	.0	.0		.ŏ		ĕ		ĕ	iŏ	ŏ	.0		.0	ě
87+	Ö	.0	.0	.0					.0			.0	.0		,ŏ
TOT PCT	.0	.0	•0	•0	•0	.0	ě		,ō	3,3	.0	.0	.0	·ŏ	3.3

PAGE 308

								D	ECEMBER								
PERIUDO	(DVE	M-4LL)	1963-1	1971			1	TABLE	18 (CONT	)			AREA		NORTHW 65 10		/A SE
				PC	T FREG (	F WIND	SPEED (	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT	1			
HGT	1-3	1-10	11-21	S 22-33	34-47	45+	261		1-3	4-10	11-21	SH 22-33	34-47	48+	PCT		
<b>&lt;1</b>			.0	.0	.0	0			3,3	6.		.0	.0	.5			
1-2	ŏ	.ŏ	.0		.0		.0		,6	6.7	.0		.0	.0			
3-4	iŏ	.0	.0		ŏ	.0	·ŏ		ŏ	6.7				.0			
5-6	. 0		ŏ	.0	.0	.0	.0				.,	.0	ě	.0			
7	.0	. 0	.0	.0	.0	.0	.0		, o	.0	.0	.0	•0	.0			
8-9	. 0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0			
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.c			
15	.0	.0	.0	.0	.0	.0	•0		.0	.0	.0	.0	.0	.0	.0		
13~16	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	•0	.0	.0		
17-19	.0	.0	•0	.0	.0	•0	•0		•0	•0	.0	.0	• 3	۰,0	•0		
20~22	.0	.0	•0	.0	•0	•0	•0		•0	.0	.0	.0	•0	.0			
23-25	•0	.0	•0	.0	• • • •	•0	.0		•0	•0	.0	.0	.0	.0			
20-32	٠.	.0	•0	. 0	. 3	•0	•0		, 1	• 0	٠.	•0	• 3	.0			
33-40	.0	.0	•0	.0	.0	٠.	•0		•0	•0	٠.	.0	•3	.0			
41-48	.0	٠,	•0	.0	•0	.0	•9		• ^	•0	.0	•0	•0	.0			
49-60	• • •	•0	•0	.0	• 2	•0	•0		•0	.0	•0	•0	•0	.0			
61-70	.c	٠,	•0	.0	•0	•0	•0		, n	•0	.0	.0	•0	.0			
71-86	:0	.0	•0	٠,	••	• 0	•0		•0	٠,	.0	.0	•0	.0			
\$7+ TOT PCT	.5	.0	•0	.0	.0 .0	.0	•0		3.3	14.2	•0	.0	•0	•0			
101 701		.0	•0	•0	••	.0	•0		3,3	14.2	.0	.0	•0	.0	17.5		
				w								NW				TOTAL	L
HGT	1-3	4-10	11-21	22-93	34-47	48+	PCT		1-9	4-10	11-21	22-33	34-47	48+		PCT	
<1	6.7	2.5	•0	•0	.0	•0	9.2		•0	3.3	• 0	•0	•0	.0			
1-2	٠.٥	.0	•0	.0	. 9	•0	•0		3,3	23.3	6.7	.0	•0	.0			
3-4	٠.٥	.0	3.3	.0	•0	•0	3.3		•0	6.7	.0	•0	•0	•0			
5-6	•0	3.3	-0	.0	. 3	٠.٥	3,3		•0	• • • •	.0	.0	•0	.0			
7	.0	•0	•0	.0	.0	•0	•¢		•¢	.0	• •	.0	•0	•0			
10-11	:5	.0	•0	.0	.0	.0	•0		• ?	ő	• 2	•0	•0	.0			
12		.0	.0	.0	.0	.0	•0		.0	.0	.0	.0	•0	٥.			
13-16		.0	ő	.0	.0		.5		.0	ě	.0		.0	.0			
17-19	.0	.0	•0	.0	.0	.0	.0		ě	ŏ	.0	.0	.0	.0			
20-22			ŏ	.0		.ŏ	č		ě	ŏ			•0	.0			
23-25			ŏ			٥٠	·c		č	.0			.0	.ŏ			
26-32	ŏ		š		.5	.5	.0		ě		ě			.0			
33-40	.0		.0	.0	.5	.0	.0		.0		.0		•0				
41-48	.0		.0		.0	.5	.5		Ď	.0		.0		.ŏ			
49-60	.0				.0	.0	.0		٥٠	.0		.0	.0	.0			
61-70	.0	.0	·ŏ		.0	.0	.0		.0	.0			.0	.ŏ			
71-06	.0	.0	.0	.0	.0	.0	,0		ō	.0		.0	•0	.0			
87+	.0	.0	.0	.0	. 0	.0	,0		.0	.0	.0	.0	.0	.0			
TOT PCT	6.7	5.8	3.3		.0	.0	15,6		3.3	33.3	6,7	.0	•0	.0		86.7	7

î.

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT,		
HOT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TCT
<1	28.1	9.4	.0	.0	.0	.0	37.5	053
1-2	3.1	34.4	6.3	.0	.0	.0	43.8	
3-4		12.5	3.1	.0	.č	.c	15.6	
5-6	.ŏ	3.1	.0	.0	.0	.0	3.1	
7	.0	•0	.0	.0	.0	.0		
8-9	.0	.0		.0	.0		.ŏ	
10-11	.ŏ	.0		ö				
12	.ŏ	ŏ		ŏ		ñ.		
13-16	.ŏ	.0	.0	٥	.0	.0	.0	
17-19	.ŏ	.0				.ŏ	ŏ	
20-22		.0			.ŏ		.0	
			٠,٥	•0				
23-25	.0	•0	.0	•0	.0	.0	.0	
26-37	•0	• 0	-0	•0	٠.	.0	•0	
33-40	.0	•0	•0	•0	.0	•0	٠.	
41-48	.0	•0	•0	•0	.0	.0	.0	
49-60	.0	•0	•0	.0	.0	•0	.0	
61-70	.0	• • •	•0	• 0	.0	.0	.0	
71-86	.0	•0	.0	•0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								32
TOT PCT	31.3	59.4	9.4	.0	. 3	.0	100.0	

PERIC	001 (01	ER-LL	.) 194	9-1971					TABLE	19											
				1	PERCENT	FRE	QUENCY OF	WA!	VE HEIG	HT 16	r) VS 1	HAVE P	ERIOD	(SECON	D\$)						
PERIOD (SEC)	<1	1-5	3-4	5-6	7	1-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	10.6	31.9	17.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	2
6-7	.0	.0	.0	.0	٠.	.0	.0	.0	.0	.0	:0	.0	.0		•0	.0	.0		.0	0	
8-7	.0	.0	.0	٠.	.0	.0	.0	.0	.0	.0	:0	.0	.0		.0	.0	.0	, ò	.0	0	
10-11	.0	2.1	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	, o		.0	.0	.0	70	.0	2	10
12-13	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	:0	.0	.0		.0	.0	.0	.0	.0	0	-
>13	•0	.0	.0	.0	.0	.0	.0	.0	, G	.0	:0	.0	.o		.0	, ò	.o		.ō	0	
INDET	19.1	6.4	6.4	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0		.0	.o	.0	:e	.ŏ	15	1
TOTAL	14	19	11	2	,	0	0	٥		0	Ô	Ö	, o	ŏ	Ŏ	Ö	ŏ	ő	ă	47	,
PCT	29.0	40.4	23.4	4.3	2. i	٠ŏ	٠ŏ	٠ŏ	.ŏ	.ŏ	:ŏ	.ŏ	.ŏ.		٠ŏ	.õ.		.ŏ	.ŏ.	100.0	-

 $\mathcal{C}$ 

TABLE 1

AREA 0004 NORTHWEST JAVA SEA 3.65 106.65

	<b>.</b> .							
PE	RCENT	FREQUENCY	OF	WEATHER	OCCURRENCE	3 v	RIND	DIRECTIO

			,	RECIPI	TATIO	H TYPE					OTHER	WEATHER	PHEND	MEYA	
WND DIR	RAIN	RAIN SHWR	CR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HEUR	THOR LT IG	FOG WO PCPN	FOG NO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
7 KE E S S S W W W M M M M M M M M M M M M M M	9.2 3.6 .7 2.6 6.0 7.6 8.8 5.5	6.7 3.8 1.5 5.8 1.9 3.0 4.0 7.3	3.3 .4 .6 .2 1.8 .8 .5 .4		00000000000	.0		19.2 7.8 2.7 8.9 9.2 12.0 13.0	.0 1.6 3.1 .9 1.2 5.1 1.9 1.9	7.3 11.6 5.2 5.4 7.8 6.3 5.7 4.2	3.5 6.3 .9 5.3 3.0 .3 .5	.0 .0 .0 .0 .0	1.8 1.2 .5 3.7 .0 .0	.00	69.9 73.1 87.7 77.0 80.2 76.5 80.9 63.5
TOT PCT	4.2 2130	4.3	. 8	۰.	.0	.0	•1	9.3	1.9	6.7	1.9	•	.9	•0	80.6

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	DITAT	TYPE					STHER	WEATHER	PHEND	MENA	
HEUR (GYT)	RAIN	RAIN Shwr	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	F0G 40 PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST RLWG SNOW	NO SIG WEA
00£03 06£09 12£15 18£21	4.2 4.1 5.8	6.1 5.0 1.0 5.9	.9 .4 1.4	.0	.0	.0	.c .c	11.3 9.4 6.8 12.2	3.9 1.6 1.3 1.2	1.4 1.2 9.8 12.1	1.7 1.2 1.7 2.0	.0 .0 .0	.6 1.4 .6	•0 •0 •0	81.8 85.4 80.8 73.4
TOT PCT	4.6	4.6		.0	.0	.0	•	9.9	1.9	6.9	1.9	•	.9	•0	79.8

TABLE 3

#### PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	D SPE	ED CKNO	STS)								HOUR	(GHT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	16	21
R	1.2	5.0	1.3	•	•0	.0		7.5	6.5	6.9	6.1	5,8	6.8	8.2	10.5	8.9	7.8
NE	1.5	4.5	.7	•	•0	.0		6.7	6.3	4.2	4.9	3.6	4.7	6.9	2.6	11.2	9.3
E	2.3	12.1	3.5		.0	.0		17.9	6.4	17.7	22.5	16.1	17.6	18.0	22.9	18.5	18.8
\$ F	1.6	14.4	4.6	. 2	.0	.0		20.9	7.0	20.9	23.4	20.7	26.6		21.3	18.5	15.6
S	1.7	4.0	1.1		.0	.0		1.7	6.4	7.7	9.5	8.8	11.4	10.2	10.1	7.3	7.0
Šu	1.5	5.2	1.5	- 1	.c	.5		8.3	7.7	9.6	6.5	10.1	7.9	6.7	9.4	7.1	8.0
Ň	1.2	5.9	1.7		.0	.0		8.9	7.7	10.1	10.8					7.9	9.9
Ñw	1.3	9.2	3.0	• • • • • • • • • • • • • • • • • • • •		:ŏ								6.2	7.8		
				• • •				13.6	7.0	17.3	12.8			10.1	9.8	12.3	15.4
VAR	.0	•0	.0	.0	.0	•0		.0	.0	•0	•0	.0	•0	•0	•0	.0	•0
CALP	7.5							7.5	.0	5.6	3.5	6.4	7.0	9.5	5.6	8.3	8.1
TOT CBS							6718		7.1	960	95	1414	735	1175	91	1276	972
TOT PCT	20.0	62.2	17.2	.6	.0	•0		100.0	,-		100.5						

TABLE 3A

WND DIR	0-6	WINU 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00	HBU 06 09	R (GHT) 12 15	18 21
N	3.8	3.5	•2	•			7.5	6.5	6.8	6.2	8.3	1.4
NE	4.1	2.4	•1	•			6,7	6.3	4.3	4.0	6.7	10.4
ŧ .	7.6	9.7	ۆ	•	.0		17.9	6.4	18.1	16.7	18.4	18.6
9E	8.2	11.6	1.0	•			20.9	7.0	21.2	22.6		
Ś	5.2	3.4	.2									
							8.7	6.4	7.8	9.8	10.3	7.2
SW	4.3	3.6	.3	•0	.0		8.3	7.7	9.2	9.3	6.8	7.5
W	4.4	4.1	. 4		.0		8.9	7.7	10.0	10.1	6.3	4.8
NW	5.6	7.3	.7	•	.0		13.6	7.0	17.0	14.5	10.0	13.6
VAR	.0	•0	.0	•0	.0		.0	.0	.0	.0		
CALM TOT ORS	7.5					6718	7.5	7.1	5.4 1055	2149	9.2	8.2 2248
TOT BET	50 8	45.7	2.5	. 1	٠,	. •	100 0	• • •			1200	2240

ANNUAL

PERIOD: (PRIMARY) 1888-1973 (OVER-ALL) 1894-1973

TARLE 4

AREA 0004 NURTHHEST JAVA SEA 3.65 106.6E

PERCENTAGE	SEFOUENCY	O#	MINO	SPEED	RV	HOUSE	/CHT1
PERSENTAGE	PREVUENCI	ų-	HIND	3-550	91	RUUK	(GFT)

				WIND	SPEED (	KNOTS			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	5.4	13.3	62.5	17.8	1.0	.0	.0	7.4	100.0	1055
90360	6.6	13.2	61.1	18.8	.3	. 0	.0		100.0	2149
12615	9.2	13.1	62.0	15.3	. 3	.0	.0		100.0	1266
18621 TQT	8.2	11.1	63.4	16.5		.0	.0		100.0	2245 6718
PCT	7.5	12.5	62.2	17.2	.6	.0	.0	•••	100.0	9.10

TARLE 5

TARLE 6

												''	1864 0					
p	PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTMS) BY WIND DIRECTION MEAN								PERCEN	TAGE P	REGUEN	CY OF	CEILIY NH <5/	G HE19	HTS (I	T,NH :	4/8) 3N	
WND DIR	0-2	3-4	5-7	8 & nasco	TCTAL CB5	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 49 <b>9</b> 9	5000 6499	6500 79 <b>9</b> 9	6000+	NH <5/8	
N	.9	1.4	2.7	2.6		4.8	•0	.0	.3	.6	1.0	. 3	.0	•1	.0	.0	5.4	
NE	1.0	1.9	2.0	. 5		4.4	•0	.0	.0	.2	. 8	.3		• 1	.2		3.9	
E	5.8	4.3	6.3	1.5		4.1	•0	.0	.0	1.0	1.4		;;					
šE	5.4	6.5	1.6	1.8		4.9	·i		ž	1.2	1.2			• 1	•0	• 0	14.8	
\$	.6	2.0	3.6	2.2		5.6	•0	• 2	. 2	,,		-	• 0	• 1	•0	.3		
ŠĦ	. 6	1.3	3.9	3.7		6.4					1.3	.5	• 3	• 1	•0	• 1	5.1	
-								• 3	. 2	1.2	2.1	• 0	. 2	•	• 0	.0	5.2	
<b>#</b>		1.6	3.5	2.5		5.8	• 1	•0	. 2	.6	1.7	.4	. 1	• 1	.0	.0	5.4	
Ne	• 6	2.2	6.2	4.6		5.3		• 1	. 1	1.4	2.3	. 9	. 4	• 1	•0	.0	8.3	
VAR	.0	.0	•0	• 0		•0	•0	•0	.0	.0	.0	.0	. 5	• 0	•0	.0	•0	
CALM	1.6	.7	3.6	. 5		3.9	•0	• 2	c	.3	. 9	• 2	.3	•0			4.7	
TOT DES					965	5.0	•••	• .	••	• • •	• • •	•2	• • •	•0	•0	•0	•• /	965
TOT PCT	17.5	22.0	40.5	20.0	100.0		• 2	• 1	1.2	7.1	12.7	4.5	2,6	.7	• 2	. 4	70.4	100.0

TARLE 7

CUMULATIVE	PCT FREQ	OF SIMULTANEOUS	DCCURRENCE
OF CEILIN	G HEIGHT	(NH 34/R) AND V	SBY (NH)

				VS8Y INP	1)			
CEILING	■ GR	- CR	• OR	• "R	• D#	<ul> <li>□ ΩR</li> </ul>	• 3R	• DR
(FEET)	>10	>5	>2	>1	>1/4	>1/4	>5045	>0
■ UR >6500	.6	.6	.6	.6	.6	.6	.6	. 6
<ul> <li>OR &gt;5000</li> </ul>	1.1	1-1	1.1	1.2	1.2	1.2	1.2	1.3
■ DR >3500	3.1	3.6	3.8	3.9	3.9	3.9	3.9	3.9
- DR >2000	6.6	8.4	8.4	8.5	4.5	6.5	1.5	2,5
■ FR >1000	16.6	20.1	20.0	20.7	20.7	20.7	20.9	20.9
# OR >600	21.7	26.8	27.6	27.9	27.9	27.9	28.0	28.0
<ul> <li>OR &gt;300</li> </ul>	21.9	27.6	28.7	29.0	29.0	29.0	29.1	29.1
<ul> <li>□ 0R &gt;150</li> </ul>	21.9	27.6	28.5	29.1	29.1	29.1	29.2	29.2
- OR > 0	21.9	27.7	29.0	29.2	29.2	20.2	30.2	30'4

TOTAL HUMBER OF DBS: 994

PCT FREQ NH <5/81 70.6

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 CBSC TOTAL 5.8 13.1 23.2 17.4 11.5 8.0 6.7 5.8 9.0 .2 1065

41	٠	u	۸	

								411	.4-5						
PERIODI	(PRIMARY) 1 (OVEP-ALL) 1							TAI	SLE B				ARE	A 0004	NORTHWEST JAVA SEA
			PI	FRCENT		OF HIN								E OF	
	Y82V (RP)		N	NE	E	SE	S	S¥	Α.	NW	VAR	CALM	PCT	TOTAL OBS	
	¢1/2	PCP NO PCP	.0	.0	.0	.0	•0	•0	.0	•0	.0	•0	.1		
	41.4	TOT #	.c	.0	.0	•0	•0	,	•	.0	.0	.0	i		
		PCP	.0	.0	.0	•	•	•	.0	.0	.0	•0	.1		
	1/241	NO PCP TOT \$	.0	.0	:1 :1	. i	•0	•0	:0	.0	.0	•0	.1		
		PCP	.0	•	.0	•1	•0	• ?	.0	• 9	.0	•0	.1		
	1<2	NO PCP	•5	.1	•1	.5	•0	•0	• • •	•	.0	•1	1.0		
		PCP	.2	.5	•	• 1	•	•2	,3	.3	.0	•0	1.2		
	2<5	NO PCP TOT %	.3	.2	•1	•1	•2	• • •	.•	:1	.0	•0	1.9		
	• • • •	PCP		4	.5	.•7	.7		. 5	1.3	•0	. •	5,6		
	5<10	NO PCP TOT %	3.4 4.3	3.4	4.6 5.1	5.8 6.5	3.0 3.7	1.7	1.9	3.4 4.8	•0	1.4	28.4 34.1		
		PCP	.,	. 2	.1	.1	.2	•?	.5	.6	.0	.0	2.1		
	10+	NO PCP TOT %	4.6	4.1	13.5	13.6	5.0	4.6	5.1	7.3	.0	3.6	60.6		

TOT 085 TOT PCT 9.7 8.0 19.0 20.9 8.9 7.8 7.8 13.0 .0 5.2 100.0

## TABLE 9

									VS WI		ED		
VSEY	SPD KTS	N	NE	E	SE	\$	SH	w	NW	VAR	CALH	PCT	JATOT 260
• • • •	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.1	. 2	.0	.0	.0	.0	.ŏ	• • •	.3	
	11-21	.0	. 0	.0	•	.0			.0	.0			
	22+	.0	.0	•0	.0	,0	.0	.0	.0	.0		.0	
	TOT \$	.0	•0	•1	.2	•0	•	•	.0	.0	•0	.3	
	0-3	.0	.0	•	•		•	.0	.0	.0	.0	.1	
1/2<1	4-10	.0	.0	•		•	-1	• 0		.0		.2	
	11-21	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	22+	• 0	.0	•0	.0	.0	٠.	.0	.0	• 0	_	.0	
	TOT \$	.0	.0	•1	•	•	-1	.0	•	.0	•0	.3	
	0-3	•				.0	.0	. 0	.0	.0	.1	. 2	
1<2	4-10	8	-1	•	•2	.0	.0	.0		.0		.3	
	11-21	-1	.0	•		.0	.0	•		.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•1	•1	•1	.3	•0	•0	•	-1	•0	•1	.7	
	0-3	•		•	.1	•	.0	•0	•	.0	.1	.3	
2<5	4-10	• i	٠1	•	•1	• 1	• 1	٠ż	.3	.0		1.0	
	11-21	•1	•0	•	• 1	•	•	-1	-1	•0		.5	
	22+	.0	.0	•0	•0	•0	.0	.0	.0	•0		. • 0	
	TOT %	•2	-1	•1	.2	•1	-1	.3	.5	.0	•1	1.0	
	0-3	.4	.4	.3	.3	.4	.2	-1	. 2	.0	1.0	3,1	
5<10	4-10	1.7	1.6	2.5	2.9	1.7	1.2	1.2	2.2	.0		14.9	
	11-21	.4	.2	.6	1.2	.3	.3	. 3	.5	.0		3,8	
	22+	. :	.0	0		0	0	. :		.0		1	
	TOT %	2.5	2.1	3,4	.4.4	2.4	1.6	1.6	2.9	.0	1.0	21.9	
	0-3		1.1	1.7	1.2	1.0	1.1		1.0	.0	6.3	15.2	
10+	4-10	3.9	3.6	10.9	11.7	4.1	3.4	3.8	•••	.0		48.4	
	11-21	.9	• •	2.6	3.5	.5	1.0	•7	1.0	.0		11.4	
	22+	. :	0	0	1	-•0	0	.:	. :	.0		1	
	TOT \$	5.6	5.1	15.2	16.4	5,7	5.5	5.5	9.7	.0	6.3	75.1	
	TOT DAS												3468
1	TOT PCT	8.4	7.5	10.9	21.6	8.2	7.4	7.5	13.2	.0	7.4	100.0	

PAGE 312

(

 $\mathfrak{I}$ 

ANNUAL

PERIOD: (PRIMARY) 1888-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PERCENT FREQUENCY OF CRICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (THO)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	1500 4999	5000 5499	6500 7299	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL 085
00663	.0	. 3	.7	8.3	14.0	5,1	1.4	.6	.0	. 3	30.8	69.2	264
95609	.0	٥.	.7	7.2	11.5	5.4	2.9	.7	*0	• 7	29.1	70.9	235
12615	.0	.0	1.4	5.3	10.5	3,5	3.1	.8	٠,	•c	24.7	75.3	273
18621	. 5	.0	1.7	6.5	11.1	3.8	2.8	٠,	.6	• 9	28.4	71.7	271
TOT PCT	.2	.1	1.1	6.8	11.8	4.4	2.6	.0	.1	.4	28.0	72.0	1043

TABLE 11

TABLÉ 12

		PERCENT	FRFOI EN	CY VSB1	(NM)	BY HOUR	ı	CUMULAT					V\$8Y (74)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL GBS	HOUR (OHT)	<150 <50Y0	<600 <b>&lt;</b> 1	<1000 45	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.4	.3	. 9	3.5	20.2	74.7	654	00603	•0	1.1	11.5	20.5	68.0	256
90360	.3	.2	.7	1,0	23.9	73.9	920	05609	.0	.8	9.0	21.3	69.7	225
12615	. 3	.1	.4	1.3	19.6	78.3	895	12615	•0	1.5	7.5	19.1	73.4	200
18621	.4	٤.	.7	1.6	26.4	70.6	1338	18621	•6	3.1	10.4	20.3	69.3	253
TOT	. 3	.2	.7	1.7	23.1	73.9	3819 100.0	TOT PCT	.2	1.5	9.6	20.1	70.3	994 100.0

TAPLE 13

TABLE 15

TABLE 18

	KEANS,	EXTRFH	ES AND	PERCEN	TILES	0° 7E	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIHU	BY HOUS	2
HOUR (GMT)	MAX	995	954	50%	54	18	HIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00603	92	87	35	82	78	75	73	81.7	1058	60300	.0	.0	1.0	36.6	47.8	14.5	82	348
0000	95	90	85	83	79	77	73	83.3	2146	90360	.0	• 2	12.6	44.3	35,5	7.3	78	404
12615	90	2.6	84	82	79	77	75	\$1.9	1281	12215	.0	.0	2.7	36.6	49.4	11.1	82	419
18621 TOT	90 95	84	83 86	82 82	76 79	76 76	72 72	81.2 82.1	2259 6744	18151 TOT	•0	.0 1	1.0 78	26.3	55.9 851	15.9 219	83 81	599 1770

ANNUAL

PERIODI (PRIMARY) 1888-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0004 NORTHWEST JAVA SEA 3.65 106.6E

PCT FRED OP AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FGG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

۷5	WIK-	35.	CULE	AIUNE	DIFF	EVENCE	tueu ri		
AIR-SEA THE DIF	73 76	77 80	81 84	85 88	89 92	>92	TCT	FOG	HO FOG
9/10	.0	•0	.0	•	.1	• 0	?	.0	•1
7/8	.0	•0	٠.0	.1	. 2	.0	5	٠.	• 3
6	.0	.1	.1	. 1	• 2	.0	9	•0	. 5
6 5	.0		.1	. 4	. 2	.0	14	.0	.7
4	.0	.0	.5	1.4	.2	.0	37	.0	2.0
3	.0	.0	.4	. 5	.1	.0	23	.1	1.2
4 3 2 1	.1	•0	3.8	1.7	.1	.1	105	.1	5.7
ï	.0	.1	6.6	1.0	.i	.0	160	.1	8.5
		1.2	16.8	1.0	,0	٥٥	360	. 9	18.9
				1.0	.0	š	329	ż	17.8
-1	.0	1.8	13.2						19.1
-2	٠,٢	3.9	15.2	. 2	٠,	•0	348	• 2	17.1
-3	.0	2.5	5.8	.,	•0	•0	161	• 1	5.7
-4	. 1	3.9	3.6	• 5	.0	•0	142	• 1	7.6
-5	.3	1.3	2.1	•0	.0	.0	69	•0	3.7
-6	.1	.6	.7	•0	.0	.0	26	.0	1.4
-7/-8	.2	. 9	. 4	, ,	. ?	.0	2.9	.0	1.5
-9/-10	ž	. i	. 0		.0	.0	5	.0	, 3
-11/-13	:1	. i	.ŏ	ó		.0	4	.0	.2
TOTAL	••	••	••	••	••	••	1827	••	••
DCT	1.1	14.8	71.2	4.7	1.1	. 1	100.0	1.7	98.3

PERIODI (OVER-ALL) 1963-1973

TABLE 16

				PC	T F*E0 0	F WIND	SPEED	(KTS) AND DIRE	PTION V	E PSUS S	EA HEIG	HTS (FT)		
				N 22~33	34-47	48+	PCT	1=3	4-10	1-21	NE 22+33	34-4/	48+	PCT
HGT	1-3	4-10	11-21		.0	•0	2.1	1.5	1.0	.0	.0	•0		1.5
<1	. 5	1.6	.0	.0	.0	:0	4,5	:5	1.6	.3		.0	ŏ	2.1
1-2	•0		1.1	.0	.0	.0	1.5	'4	.,2	•		•0	.č	.2
3-4	• 1	.2		.2	.0	.0	4.6	•0	ō	.0	.0	•0	ŏ	
5-6	.0	.0	• •		.0	.0	•0	ő	ŏ	.0	•0	•0	.0	•0
7	•0	.0	•0	•0	.0	.0		, ŏ	ŏ	.0	.0	ŏ	ŏ	ň
8-9	٠.	.0	•0	.0	.0	.0	.0	ě	š	.0	.0	.5	ŏ	.0
10-11	. 2	.0	•0	.0	.0	.5		š	.0	.0	.0	.0	.0	.0
12	• •	.0	.0	.0	ີ້າ		ö		Ü	ŏ	.0	•0	.0	.0
13-16	• • •	.0		.0	. 6		:0	ŏ	. 3	.,	.0	.0	.6	.0
17-19	.0		•0	.0	.0	.ŏ		ŏ	ŏ	ó	·ŏ	.0	.ŏ	ŏ
20-22	.0	.0	.0	.0	ö	.0	.0	ŏ	.0	ŏ	.0	.0	.ŏ	•0
23-25 26-32	.0		.0	.0	.0	.0	ŏ	ő	, 0	ŏ	.ŏ		.ŏ	.0
20+32 33-40	٠,٥	.0	.0	.0	.0	.0	٥٠	ő	.č	.0	.ŏ	.0	.0	.0
41-48	٠.0			.0	.0		.ŏ	ő		.ŏ	.0	ŏ	ō	.0
	٠,٥	.0	•0	.0	.0	.0	.0	ŏ	š	.0	.0		.0	.0
49-60	.0	.0	•0	.0	.0	.ŏ	ě	.0		ŏ	.0	.0	.0	.0
61-70 71-36	٠.٥	:0	.0	.0	.0	.ŏ	:0	ň	ě		.0	.ŏ	.0	.ŏ
87+	.0	.0	•0	.0	.0	.0	.0	ő		.0	.0	.0	.0	•0
		5.8	2.1	.2	.0		8.6		4.5	.4	.0	•0	.0	3.9
TOT PCT	.6	2.0	2+1	• •	••	••	0.0	• •	•••	• •	••	••	•••	•••
				E							SE	34-47	48+	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1+3	4-10	11-21	22-33			PCT
<1	.7	2.6	•0	•0	.0	.0	3.2	,6	2.4	.2	•0	•0	•0	3.2
1-2	.0	6.6	1.4	.0	۰,	•0	8.0	•?	13.0	2.5	•0	•0	•0	12.0
3-4		3.4	2.5	•0	•0	•0	6.0	•0	2.1	2.8	.3	•0	•0	5.2
5-6	•0	.5	.7	•0	.0	•0	1.1	•0	• •	1.6	•0	•0	•0	2.0
7	.0	.0	•0	• າ	• 0	•0	•0	10	•0	.5	•0	•0	.0	
8-9	.0	.0	•0	٠,	٥,	•0	•0	•0	٠,	.1	•0	•0	•0	• 1
10-11	٠.	.0	•0	.0	•0	•0	•0	•0	•0	•0	.0	•0	٠,٥	•0
12	.0	٠0	•0	.0	.0	•0	.0	•0	•0	•0	•0	•0	.0	•0
13-16	.0	.0	•0	.0	•0	.0	•0	.0	•0	.0	•0	•0	.0	•0
17-19	.0	.0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0	••
20-22	۰.	.0	•0	.0	.0	.0	٠,	•0	.0	•0	•0	•0	•0	•0
23-25	.0	.0	.0		.0	•0	•0	•0	.0	•0	•0	•0	.0	•0
26-32	.0	٠.	.0	•0	•0	•0	•0	9.0	.0	.0	,0	•0	•0	•0
33-40	.0	.0	•0		.0	•0	.0	•0	.0	•0	•0	•0	•0	•0
41-48	•0	.0	•0		.0	.0	.0	•0	•0	•0	•0	•0	•0	•0
49-60	.ů	.0	•0		.0	.0	.0	•0	•0	.0	•0	•0	•0	•0
61-70	• 0	.0	•0		.0	•0	•0	•0	• 9	•0	•0	• 3	.0	•0
71-86	٠,0	.0	•0		•0	•0	•0	•0	•0	•0	.0	•0	•0	•0
87+	.0	.0	•0		•0	.0	0	.•0	0	0	•0	•0	•0	.0
TOT PCT		12.9	4.5	.0	.0	.0	18.3	1,3	13.7	7.7	.3	•0	.0	23.1

PAGE 314

									ANNUAL							
PER IOD:	(DVE)	1-4LL)	1963-1	973				TABLE	18 (CON	T)			ARSA		5 1C5	ABE AVAL TE
				Pr	T FRED DI	F WIND	SPEEC	(KTS)	AND DIR	ECTION	VERSUS S	EA HEIG	HTS (FT)			
				5 22-93						. 10		Sw 22=33	34-47	48+	PCT	
HGT	•• ?	4-10	11-21		34=47	48+	PET		1=3			.0	•0	.0	2.3	
<1_	٠.	. 5	.0	.0	.0	٠.							•0	.5	5.1	
1-2	. 5	3.6	•0	•0	•0	•0	4.1		•			•0	•0	.0	2.7	
3-4 5-6	.:	.0	.6	.0	.0	.0	.3		.7			.0	.0	.0		
7	.0	.0		0.	.0		.6			: :0		.0		.0		
8-9	.0	.0	0.0	.0		.ŏ	.0		č			č	ó	.ŏ	.0	
10-11		.0	.0	.0	.5	.0	.0					.0	.0	ě	.0	
12	č	.0	•0	.0	•,	.0	.0		ř			.0	.0		.0	
13-16	:č	.0	•0		. 6	.5	.0						.5	.5	.ŏ	
17-19	:5	ě	.0	.0	.~	.0			è			.0	.0	.5	.0	
20-22	.č						.0					.5		.5		
23-25	ŏ	.0	.0	.0		.ŏ	.0					ã	. 5	.0	.0	
20-32	č	.0	.0	٠.	.0	٥.	.0						.0	. 5	.0	
33-40	č	.0	Ď.									.5	.0		•0	
41-46		.0	0.0		. 6	.0	.0					.0	•0	.0	.0	
49-00	.0	.0	, ù				č					.0	.0	.5	.0	
61-70	.č	.0	.0	.0	.0	.0	.0					.0	. 5	.5	.0	
71-86	.0	.0		.0	.0	.5						•0	•0	. 5	.0	
67+		.0	ó	.0	.0	.0	.0			Ò		.0	•0	.0	.0	
TOT PCT	. 9	5.1	. 9	.0	•0	•0	6.9		1.2	7.6		.0	• 0	.0	10.5	
				w								Nw.				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48.	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	6	6	.0	.0	,,,,,,,	7.0	1.4						• 0	.0	1.1	• • •
1-2	.3	2.1	. 8	.0		.0	3.1					.0	•0	.0	9.3	
3-4	.0	1.2		.0	. 5		1.9					.0	• 0	.0	2.9	
5-6	.5	4	•0	.0	.0	•0	. 4					.1	• 0	.0	1.0	
7	. 0	.0	.0	.0	• • •	. 0						.0	•0	.0	.2	
8-9	.0	.0	.0	.5	. 5	. 5						.0	•0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			, .0		.0	•0	.0	•0	
12	.0	.0	• 0	.0	.0	.û	• C		•0	, .c		.0	• C	.0	•0	
13-15	.0	.0	•0	٠.	.0	•0	.0		• 0			•0	•0	.0	.0	
17-19	.0	.0	.0	.0	٠.		• 6		• 0	• •0	0	.0	•0	.0	•0	
20-22	.0	.0	•0	.0	.0	.0	• C		•0			.0	•0	.0	.0	
23-25	. 2	.0	•0	.0	•0	.0	.0		• 0			.0	.0	.0	•0	
26-32	.c	.0	•0	.0	.0	•0	.c		• 6			.0	•0	•0	•0	
33-40	• • •	• • • • • • • • • • • • • • • • • • • •	•0	.0	٠.	• າ	• 2					.0	• 2	.0	• ?	
41-48	٠.	.0	•0	.0	.0	.0	.0		• (				ڊ،	•0	.0	
49-60	.0	.0	•0	.0	.0	•0	•0		• (			.0	•0	.0	.0	
61-70	.0	.0	٠٥	.0	• າ	٠.	.0		• •			•0	•0	. 2	.0	
71-86	.0	.0	•0	.0	•0	•0	•0		• (			.0	•0	•0	•0	
87+	.0	.0	•0	-0	.0	•0	.0		•			.0	• 3	.5	0	
TOT PCT	٠,	4.5	1.4	• 0	• າ	• • •	5.8		• 1	, 3,6	5.1	.1	•0	•0	14.5	92.6

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	T07 085
<1	13.1	11.1	.2	.0	.0	.0	24.3	
1-2	3.0	37.1	7.6	. 0		.0	47.7	
3-4	.5	10.5	10.1	. 3	.0	.0	21.4	
5-6	.0	1.3	4.1	. 2	.0	.0	5.5	
7	.0	.0		.0	, 5	.0	. 8	
<b>8</b> ~9		.0	ĭ	.0	.0	.0	.1	
10-11	.5	.0	.0	ō	.0	.0	iŏ	
12		.0		ŏ		.0	ě	
13-16	.0	.0		ŏ	.0	.5	.0	
17-19	.0	ŏ	.č	ŏ	.0	.0	.0	
20-22	.0	.0	.0	ŏ	.0	.0	.0	
23-25		.0	.5	ŏ	.0		.0	
26-32	.ŏ	٠٥	.0	ŏ	.0	.0	.ŏ	
33-40	.0	·ŏ	.0	'n			.0	
41-40	.ŏ	.8	.0	ő	.0	.,	.0	
49-60	.5	.0	.0		.0	, ń	.0	
61-70	.0	•0	.0	.0	.ŏ	.0		
71-86	.0		.0			.0	:0	
87+		•0						
• / •	•0	•0	•0	•0	•0	.0	.0	573
TOT PCT	16.6	59.9	22.9	.5	٠.	.0	100.0	

C

PERCENT FREQUENCY OF OCCUPRENCE OF SEA TEMP (DEG F) BY	MONTH

SEA TMP DEG F	PAN	PE9	478	APQ	<b>~</b> 14	JUN	JUL	AUG	SEP	067	NOV	DEC	ANN	PCT
96+	•0	.0	.0	.0	.0	.0	• 2	.0	•0	•0	.0	.0	0	•0
95/96	.0	.0	.0	.0	٠.	.0	.0	.0	.0	•0	.0	•0	0	.0
93/94		.0	.0	.0	• • •	.0	•0	•C	•0	• 0	.0	•0	0	•0
91/92	•0	.0	.0	. 4	.4	•0	• 2	•0	• 0	•0	.0	•0	•	•1
89/90	.0	.0	.0	.6	.6	. 8	.0	•0	•0	• 7	. 4	. 2	17	.3
97/86	.4	.2	2.1	6.7	6.4	5.0	. 0	.2	. 9	1.3	1.5	2 • 1	140	2.3
85/86	3.0	5.5	16.1	25.6	34.5	16.8	8.2	4.5	4.3	16.5	18.4	7.6	829	13.4
83/84	23.1	23,6	36.5	48.3	42.7	48.1	36.7	31.5	36,9	42.9	59.5	33.9	2383	38.5
31/82	54.0	50.5	35.5	18.2	13.4	25.0	47.4	51.3	47,7	33.6	21.5	47.8	2293	37.1
79/80	15.1	19.8	8.9	. 2	1.2	3.2	5.4	10.9	8,9	4.6	2.6	7.2	440	7.1
77/78	3.9	.7	.7	•0	. 5	. 8	1.2	1.4	1.4	- 4	2 ن	. 6	62	1.0
75/76	. 4	.5	•0	.0	.0	• 2	• 2	. 2	.3	•¢	.0	. 2		• 1
73/74	. 2	. 2	.5	•0	.0	. 2	•2	.0	•0	• C	.0	. 2	5	•1
71/72	.0	.0	.0	٠.	٠.	.0	•0	.0	.0	.0	٠.	• 2	1	•
69/70	•0	.0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0	0	•0
57/68	.0	.0	•0	.0	• 0	.0	•0	.0	.0	•0	•0	•0	0	•0
65/66	•0	.0	• 0	•0	• 0	.0	• 0	•0	•0	•0	.0	•0	0	•0
63/64	•0	.0	.0	•0	.0	•0	• 0	.0	.0	•0	•0	•0	0	•0
61/67	.0	٠.	.0	.0	.0	.0	•0	•0	•0	• 0	.0	.0	0	• 0
59/60	.5	.0	.0	• 0	• 0	•0	•0	.0	•0	• 0	.0	.0	0	•0
57/58	••	.0	.0	• 0	.0	.0	.0	.0	•0	•0	.0	.0	0	•0
55/56	•^	.c	••	• 0	•0	.0	•0	.0	.0	•0	•0	.0	0	•0
53/54	• 2	.0	•0	.0	.0	•0	.0	.0	•0	•0	• • •	.0	0	•0
51/52	• C	.0	•^	•0	.0	•0	.0	•0	• 0	•0	.5	.0	9	•0
49/50	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	.0	•0	0	• • •
47/48	•0	.0	•0	•0	.0	•0	• 0	.0	•0	•0	.0	•0	0	•0
45/46	.0	.0	• 0	•0	•0	•0	• 0	.0	• 0	•0	•0	•0	0	-9
43/44	•0	.0	•0	•0	.0	•0	•0	.0	.0	•0	.0	.0	0	•0
41/42	.0	.0	.0	•0	٠.	• 0	.0	.0	•0	• 0	.0	•0	0	•0
39/40	.0	.0	.0	•0	.0	.0	• • •	.0	•0	•0	.0	.0	0	•0
37/38	• • •	.0	.0	•0	.0	.0	•0	.0	•0	•0	.0	•0	0	.0
35/36	.0	•C	•0	•0	.0	•0	.0	٠.	•0	• 0	.0	.0	0	•0
33/34	•0	.0	•0	.0	٠.	•0	• 0	.c	• 0	• 0	.0	.0	0	•0
31/32	•0	.0	•0	٠.	.0	•0	•0	.0	•0	•0	.0	.0	0	-0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	0	•0
27/28	•0	.0	.0	•0	•0	.0	• 0	.0	.0	• 0	.0	.0	0	•0
<27	.0	•0	•0	.0	•0	.0	-0	.0	.0	•0	.0	•0	0	•0
TOTAL	498	420	576	489	499	305	502	554	575	541	544	475	6182	100.0
MEAN	81.6	81.8	82.8	84.0	84.1	83.4	82.4	02.1	82.2	<b>03.</b> 0	83.4	82.4	82.7	

TABLE 21

## PRESSUPE (MB)

			AV	ERAGE	BA HEL	H (CH)	,			TOTAL
ME	0000	0300	0000	0900	1200	1500	1800	2100	HEAN	08\$
JAN	1011	1009	1010	1007	1010	1009	1010	1009	1010	183
FER	1010	1011	1010	1008	1009	1009	1010	1010	1010	163
HAR	1011	1009	1010	1008	1009	1011	1011	1009	1010	255
APR	1009	1010	1009	1008	1009	1011	1010	1009	1009	203
-44	1010	1007	1609	1007	1009	1010	1609	1009	1664	223
JUN	1016	1616	1010	1008	1010	1009	1010	1009	1010	237
JUL	1011	1012	1010	1009	1009	1010	1010	1010	1010	239
AUG	1011	1011	1010	1009	1010	1010	1010	1010	1010	249
SEP	1011	1011	1010	1009	1010	1011	1010	1010	1010	211
OCT	1011	1011	1010	1010	1010	1012	1010	1010	1010	198
NOV	1010	1010	1009	1009	1010	1009	1010	1008	1010	219
DEC	1011	1010	1009	1008	1010	1009	1010	1009	1010	185
ANN	1011	1010	1010	1008	1010	1010	1010	1009	1010	2565
DBS	392	67	590	217	462	78	507	252		

P	E	R	C	E	N	Ť	ı	Ł	£	S	

46	HIN	12	5%	25×	50¢	75%	95%	99%	MAX
IAN	1004	1005	1006	1008	1010	1011	1012	1012	1013
"ER	1005	1005	1006	1009	1010	1011	1012	1013	1014
MAR	1005	1005	1007	1009	1010	1011	1013	1013	1014
APR	1005	1005	1006	1000	1009	1010	1012	1014	1015
MAY	1005	1006	1006	1008	1009	1010	1012	1013	1015
JUN	1005	1006	1007	1009	1010	1011	1012	1014	1015
JUL	1005	1006	1008	1009	1010	ioii	1013	1013	1014
AUG	1006	1006	1007	1009	1010	1011	1012	1013	1014
SEP	1006	1006	1000	1009	1010	1011	1013	1013	1014
OCT	1006	1006	1007	1009	1010	1011	1013	1013	1014
MDA	1005	1006	1007	1008	1010	1011	1012	1013	1014
DEC	1004	1005	1006	1008	1010	1011	1013	1013	1014

PERICO: (PRIMARY) 1914-1973 (DVER-ALL) 1655-1973

TABLE 1

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.3E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TAT 10	SQYT P					OTHER	WEATHER	PHENDI	MENA	
#NO CI*	RAIN	PAIN SHWR	NRTL	FR7G PCPN	SHOW	OTHER FRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUP	THOR LING	FOG HO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
N	3.2	8.5	.0	۰.	.0	.0	.0	11.7	2.7	1.2	3.5	.0	•0	•0	80.9
NE	5.8	2.2	.0	.0	.0	.0	.c	8.C	1.4	.4	3.6	•0	•0	.0	86.6
E	3.5	.0	.0	.0	.0	.0	.0	3.5	•0	.0	.0	•0	.0	.0	96.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
5	20.0	40.0	.0	.0	.0	.0	.0	50.0	• 0	.0	.0	.0	.0	.0	40.0
Sw	4.7	26.7	.0	.0		.0	.c	33.3	.0	.0	.0	.0	. 0	.0	66.7
W	17.0	12.8	2.1	.0	.0	.0	.0	31.9	8,5	4.3	.0	.0	•0	.0	59.6
Nk	3.8	13.2			.0		.0	17.6	2.8		3.i	ŏ	.0		76.5
VAR	.0	.0	.0	.ŏ	.0	.0	.0		.0	.0		.0	•0	. 6	
CALM	.0	12.5	.0	.0	•0	.0	.0	12.5	•0	.0	.0	.0	•0	.0	87.5
TOT PCT	4.8	8.8	.3	.0	.0	.0	•0	14.0	2,1	.9	2.8	.0	•0	•0	80.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN Shwr	DRTL	FRZG PCPN	SNOW	OTHER FRZN PGPN	HAIL	PCON AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN Past Hr	SMOKE HAZE	SPRAY RLWG DUST BLWG SNOW	
00603 06609 12615 18621	4.1 4.3 3.8 8.4	13.5 12.0 5.1 6.3	.0 .0 .0	.0 .0	.0 .0 .0	.0	.0	17.6 16.2 8.9 15.8	4.1 1.7 1.3 3.2	1.4 .0 1.3 1.1	1.4 3.4 2.5 3.2	.0	•0	.0 .0 .0	77.0 78.6 86.1 76.8
TOT PCT TOT CBS:	5.2 365	9.3	.3	.0	•0	•0	•0	14.8	2.5	.0	2.7	•0	•0	•0	79.5

TARLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SOEED AND BY HOUR

WND DIP	n-3			E0 (KN)		48+	TOTAL DBS	PCT FREQ	MEAN CQ2	00	03	06	HJUR 09	(G4T) 12	15	18	21
N		24.3	15.0		•			42.1	10.2	38.0		10 0		47.4	38.9		44.
NE	2.0	11.5	4.4	.3	•0	.0		17.5	9.0	30.9 14.4	37.5	39.9	14.7	20.4	27.0	42.4	20.6
E	.6	1.7	. 2	.0	•0	.0		2.5	6.1	2.0	.0	1.8	1.6	3.1	.0	4.4	2.1
ŞE	.4	.5	. 2	• 0	.0	.0		. 9	3.8	1.5	•0	.9	1.6	.5	.0	.6	.7
Ş	.3	.7	. 1	•0	.0	•0		1.1	5.4	1.6	• 0	. 5	1.3	1.0	.0	.6	2.1
Sw	.4	1.2	.1	.0	.0	.0		1.8	5.2	3.0	25.0	٠,	1.3	.5	•0	2.0	3.2
¥	.8	3.9	1.0	- 1	•0	•0		5.4	8.1	6.8	•0	10.1	4.9	2.3	5.6	4.4	5.3
Nw	1.7	16.5	6.2	.2	.1	•0		24.5	9.0	29.1	37.5	29.8	29.7	20.1	27.8	17.7	19.9
VAR	.0	•0	•0	٠,	•0	•0		.0	.0	•0	•0	.0	.0	•0	•0	•0	•0
CALM	3.7							3.7	•0	2.4	•0	3.2	2.6	4.6	.0	5.2	4.3
TOT UBS	118	638	286	16	1	0	1059		8.9	165	4	221	153	194	9	172	141
TOT PCT	11.1	60.2	27.0	1.5	.1	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

7	4 8	u	1	۸

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDU# 06 09	(GHT)	18 21
N	9.9	26.9	5.2		.0		42.1	10.2	38.9	40.8	47.0	42.2
NE	5.2	11.4	. 8	•	.0		17.5	9.0	14.1	13.7	20.7	21.7
ŧ	1.5	1.0	.0	.0	.0		2.5	6.1	1.9	1.7	3.0	3.4
SE	٠,		.0	.0	.0		. 9	3.8	1.5	1.2	.5	.6
5		.3	.0	.0	.0		1.1	5.4	1.8		1.0	1.3
₹₩	1.5	.3	.0	ō	.0		1.8	5.2	3.6	1.1	.5	2.6
W	2.5	2.8	.4	ŏ	.0		5.8	8.1	6.7	6.0	2.5	4.6
Pw	7.5	15.9	1.2	ĭ			24.6	9.0	29.3	29.7	20.4	18.7
VAR		17.0		iò	.0							
	0	••		•0			.0			0	.0	.0
CALM	3.7		_				3.7	.0	2.4	2.9	4.4	4.8
TOT OBS	355	621	<b>8</b> 1	2	0	1059		8.9	169	374	203	313
TOT PCT	33.5	58.6	7.6	.2	.0		100.0		100.0	100.0	100.0	100.0

PERIODI	(PRIMARY)	1914-1973
	(DVER-ALL)	1855-1973

TARLE 4

AREA 0005 BANGKA ISLAND NORTHHEST .75 105.0E

0 6	RCENTAGE	FREQUENCY	CF	MIND	SPEED	BY	HOUR	(CMT)

HOUR	CALM	1-3	4-10	#IND 11-21	SPEED (		48+	HEAN	PCT FREQ	TOTAL
60300	2.4	8.9	59.8	28.4	.6	.0	.0	8.5	100.0	169
90360	2.9	8.0	57.5	29.1	2.1	. 3	.0	9.2	100.0	374
12615	4.4	8.9	56.7	28.1	2.0	.0	.0		100.0	203
18521	4.8	5.1	66.1	23.0	1.0	.0	.0	8.6	100.0	313
TOT	10	79	ASA	286	16	ì	0	8.9		1059
PÇT	3.7	7.5	60.2	27.0	1.5	•1	.0		100.0	

TABLE 5

TABLE 6

P	CT F9E			CLOUD A		EIGHTHS)		1					CEILINGS/					
WND DIR	0-2	3-4	5-7	8 & 035CD	TCTAL CBS	MFAN CLOUD COVEP	000 149	150 290	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	5500 7999	*000	NH <5/8 ANY HGT	
N	6.9	3.9	28.0	9.7		5.8	•0	.0	.0	1.6	4.4	2.5	3.7	.7	.7		35.0	
NE	2.1	5.3	6.0	4.6		5.6	•0	.0	. 9	1.2	3.0	.5	.0	. 2		.0	12.7	
E	. 0	1.6	.9	.9		5.6	•0	.0	.0	. 9	.0	.0	.0	• 0	.0		2.5	
SE	.0	.0	. 9	.0		5.0	•0	. 0	.0	.0	. 9	.0	.0	.0			.0	
Š	.0	.0	.0	.0		.0	•0	• ^	.0	.0	.0	• 2	.0	• 0	•0	. 0	.0	
SW		.0	. 9	.0		5.0	•0	•0	.0	. 9		. 0	.0		.0		.0	
¥	.0	.0	1.9	4.4		7.4	•0	.0	.0	2.8	. 9	. 9	.0		.0	.0	1.6	
NW	1.2	4.9	6.7	5.3		5.8	•0	• 0	.0	1.9	. 9	1.2	.0	•0		• 0	13.9	
VAR	.0	.0	.0	•0		.0	• 0	• 1	.0	.0	. 0	.5	.0	• 0	• 5		• • •	
CALM	. 0	. 9	1.9	. 9		6.2	•0	. ^	.0	.0	1.9	• • •	.0	•0	.0	• • • •	1.9	
TOT 085	11	18	51	28	108	5.0	Ö	ັາ	Ĭ	10	13	* 5	*4	i	71	Ť	73	108
TOT PCT	10.2	16.7	47.2	25.9	103.0	•	•0	• 2	. 9	9.3	12.0	4.6	3.7	. 9			67.6	100.0

TABLE 7

# CUMULATIVE PCT FRED OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	13			
CEILING	• CR	- OR	■ OR	- 08	• DR	• OR	■ TR	• 08
(FEFT)	>10	>5	>2	<b>&gt;1</b>	>1/2	>1/4	>5070	>0
• OR >6500	. 9	.9	.9	.9	. 9	.9	.9	. 9
<ul> <li>OR &gt;5000</li> </ul>	1.9	1.9	1.9	1.9		1.9	1.9	1.9
• DR >3500	4.6	5.4	5.6	5.6	5.6	5.6	2.6	2.0
<ul> <li>OR &gt;2000</li> </ul>	8.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2
■ MR >1000	15.7	21.3	22.2	22.2	22.2	22.2	72.2	22.2
■ DR >600	22.2	27.8	29.6	30.6	31.5	31.5	31.5	31.5
■ OR >300	22.2	28.7	30.6	31.5	32.4	32.4	32.4	32.4
■ CR >150	22.2	28.7	30.4	31.5	32.4	32.4	32.4	32.4
■ DR > 0	22.2	28.7	30.6	31.5	32.4	32.4	32.4	32.4
TOTAL	24	31	33	34	35	35	35	35

TOTAL NUMBER OF OBS: 108

(

PCT FREQ NM <5/81 67.5

### TABLE 74

## PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0	1	2	3	4	5	5	7	9	38505	DBS
1.7	10.4	21.7	15.7	19.1	9.6	8.7	6.1	7.0	•0	115

٠.	_ 2	٧

								•						
PERIOD: /PRIMARY   10:58-41.1							-11					4ª É	1 0005	84NG44 15L4ND NORTHHEST .75 105.0E
		,	ERCENT	FREC	5 : -! \	2:35		:	Larence Lules	: : S		ÇEPENI	£ 3#	
.58∀ :\u		•	NE.	•	\$ 8	\$	\$ <u>.</u>	-	**	. 44	(±	•.•	7371.	
•		::		::	:	:	:=	; <u>.</u>	::	:	::	:		
; 2<	200 200 200 200 200 200 200 200 200 200	.3		:: ::		::	::	.3	::	::	::	.¢		
:<2	202 50.202 707.3	.:		::	::	:	::	::	. ė	::	:	: ; ; : . 4		
2<5	202 102 203 203 8		:			:: ::						.3		
5<::	203 50 202 707 \$	4.0	1.6	:::	::	.3	••	::4	3.4 5.2 12.6	::	.9	34.2		
::•	F-9 NO FCF TOT 8	.3 20.6 20.9	ç.:	2.0	:::	•3 •: •3	::*	::3	q. ; q. ;	::	 	51.3		
	121 735	4^.3		<b>~.:</b>	:	٠.	2	٠,٠	22	.:	2.3	120.5	351	

-15.5 0

.52.	5 = 2	`	NE.	E	5 E	5	5 .	•	**	. 12	54.4	*:"	****
(%#)	A = 5							_					395
	Ç-3	٠.	٠.:	. 2	٠,٥	• •	•	• =	· <u>:</u>	• •	.:	• •	
C1/2	::	. :							• • •	:::			
	.:-2:		• •	• 2	٠.٤	• •	• •	• • •	:	• • •		• •	
	22*	.:	• • •	•=	• •	• -	.:	• • •	• ?	• •		.:	
	#	.:	.:	.:	•:	.:	.:	• =	.:	٠.	.:	.:	
	:-3	.:	. 2	.:		::	. :	.:	.:	.:	.:	.:	
1/2<1	4-10	.:	.:	. 2	.:	.:	.:	.:	. 🤈	٠.		.:	
	4-10 11-2.	.2	. •	, 3	.:	.:		.:	.:	.:		. 5	
	22*	.:	.:	• 3	.:	.:	.:	.2	.:	.:			
	-5- 8	. 2	• •	:3	. 5	.:	.:		.:	. 5	•:		
	0-3	.:			.:	. 2	::	. 5	.:	.:	.:	.:	
:<2	<-15	.:		. :	.:	.:	.:	٠.	.4	.:		. 0	
	15 :1-21	. 2	• •	. 5	.:			.2	. 2	.:		. 5	
	22+	. 3		. :	.:		.:	. 3		٠:			
	-5- 8	. 2	• 3		.:	:::::::::::::::::::::::::::::::::::::::	:	. 2	.0	.5	• •	•••	
	3-3	.:	.2	. 3	.:					.:	.:	.2	
2<5	4-10	. 3	.0	.0	. :	.0	. :	. 2	. 2	٠.		. 6	
	::-2:	. 2	.0	::			:	.5	.2			.3	
	22+	•:	• •	. 2	.0	.0	.:		.0	.0		.2	
	22*	.5	. •	.5	.0				. 2		.3	.:2	
	2-3		.2	. 2		. 2	.:	د.	. 2	.:	. 9	:.7	
5<10	4-10		3.:	. 3	.:		.2	. 9	4.*	. :		15.7	
	11-71	3.7	3	.2	.0	.0	:2	. 2	2.3	3,		15.7	
	22*	. 5	. 2		. :	. 0	.:	. :	.:	٠٥			
	*5* \$	:0.7	5.2	.7	.c	, 2	:2	.5	7.3	. 5	. 9	20.3	
	2-3		. 8	, •	.5	.2	<b>5</b>		:.:	.:	2.4	7.4	
:3-	••:0	17.9	1.1	1.4	. 5		1.1	3.5	12.4	. 5	•	45.9	
	11-21	10.4	2.3	٠.٥	.0	.;		3.5	3.:	.5		15.8	
	22+	. 3	.2		.0	.0	. 5	5	• :	. 5			
	*5* \$	29.4	12.1	. 9	1.0	. 5	1.7	5.1	16.7	,5	2.4	70.7	
	TOT DAS												.02
	TOT PC*	41.5	18.1	2.5	1.0	.7	1.9	6.7	24.7		3.3	100.0	

PEKIODI (PPIMAPY) 1914-1973 (DVER-ALL) 1855-1973

TABLE 10

AREA 0005 BANGKA ISLAND NORTHWEST .78 105.0E

PERCENT FREQUENCY OF CFICING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 RY HOUR

HOUR (GHT)	000 149	150 299	300 599						6500 7999		TOTAL	NH <5/8 ANV HGT	TOTAL OBS
00403	.0	.0	•0	9.4	6.3	9.4	6.3	.0	3.1	• 0	34.4	65.6	32
90360	.0	.0	.0	9.1	15.2	.0	.0	3.0	.0	.0	27.3	72.7	33
12615	.0	.0	.0	6.7	16.7	3.3	5.7	.0	.0	.0	33.3	66.7	30
18621	.0	.0	5.3	10.5	5.3	5.3	.5	.5	. 5	• 0	26.3	73.7	19
TOT	o	0	1	10	. 13	. 5	4	1	1	9	35	79	114

TABLE 11

TAR: 5 1

		PERCENT	FREQUE	CY V58Y	(NH)	BY HUUR		CUMULAT					SBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DDS	HOUR (SMT)	<150 <50YD		<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	2.6	1.8	23.7	71.9	114	00203	.0	.0	9.7	25.8	64.5	31
06609	.5	.9	.,	.9	27.0	70.7	222	90360	.0	.0	13.3	16.7	70.0	30
12615	.0	1.4	.7	1.4	25.7	70.7	140	12615	.0	3.4	6.9	27.6	65.5	29
18621	.0	.5	1.0	1.0	29.5	68.0	200	18621	•0	5.6	16.7	11.1	72.2	18
TOT PCT	.0	.7	1.0	1.2	182	474 70.1	676 100.0	TOT PCT	.0	1.9	11.1	23	73 67.6	108

TABLE 12

	TARLE 13									TABLE 14										
	PERC	ENT FR	EOUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	707			PERC	ENT FR	EQUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT	N	NE	E	Sé	S	SW	W	NW	VAR	CALH
90/94	.0	.0	.0	.0	.0		.0	.0	1	.4	.0	.0	.4	.0	.0	.0	,0	.0	.0	.0
85/89	.0	.0	.0	. 4		4.2	.4	.0	15	5.7	2.7	1.1	• 0	.0	.0	.0	΄.3	1.6	.0	.0
80/84	.0	.0	.0	.0	. 8	16.3	39.2	8.7	171	45.0	26.1	12.5	4.1	1.5	.4	.0	2.8	15.0	.0	2.7
75/79	.c					1.9		11.8	74	28.1	9.9	5.2	.0	.0	.4	1.0	4.4	7.3	•0	.0
70/74	.0	.0	.0	•0	.0	.0	.0	, 8	2	. 8	.0	.0	.0	.0	.0	.2	.6	.0	.0	.0
TOTAL	Ö	Ō				60	141	36	263	100.0							-			
PCT	. 6	. 0	.0	. 4	1.7	22.8	53.6	21.3			38.7	14.4	4.5	1.5		1.1	8.0	24.0	.0	2.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

		٠.				
PERCENT	FREQUENCY	OF	RELATIVE	HUHIDITY	BY	HOUR

HOUR	XAK	998	95%	50%	54	1%	MIN	HEAN	TOTAL
(GMT)									üÞ\$
00603	87	85	83	80	76	75	74	79.9	171
90340	91	89	86	82	77	74	73	81.7	378
12615	86	65	83	81	78	75	75	80.6	204
18621	67	82	82	80	77	75	74	79.8	314
TOT	91	87	85	81	77	75	73	80.6	1067

HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
E0300	.0	1.1	4.4	10.3	58.6 38.9	31.0 16.7	87 81	58 90
12615	.0	.0	1.8	21.8	60.0	16.4	84	55
18221	.0	.0	•0	13.9	59.7	26.4	87	72
TOT	0	1	5	63	145	61	84	275

PAGE 320

C

PERIOD: (PRIMARY) 1914-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0005 BAN. .. ISLAND NORTHWEST .78 105.0E

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73 76	77 80	81 84	85 88	89 92	TCT	FOG	HC FDG
7/8	.0	٠.	.0	.0	.4	1	•0	.4
	.0	.0	.0	. 4	. 4	2	• 0	.7
6 5	.0	.0	.7	. 7	.4	5	.0	1.8
		.0	.7	1.4	.0	6	.0	2.1
3		.0	6.0		.0	18	.4	6.0
4 2 1 0	.ŏ	1.8	7.1	. 7	.0	27	. 4	9.2
	:ŏ	9.5	16.0	, ,	·ŏ	80	2.1	26.1
-1	.4	14.5	6.7		.0	62	.,,	21,2
-:	:4	8.1	5.7	.0	.ŭ	40	.0	14.1
-2					.5	15	•0	5.3
-3	.0	4 • 2	1.1	•0				
-4	.4	3.9	.7	.0	.0	14	•0	4.9
-5	. 4	2.5	٠.	• 0	•0	8 5	• 0	2.5
-6	.4	1.4	.0	.c	.0	5	.0	1.0
TCTAL			132		•		10	273
	-	130	•	13		283		
DCT	1.8		46.6	4.6	1.1	100.0	3.5	96.5

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

								-							
				PC	T FREG D	F WIND	SPEED	(KTS)	AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)		
												NE			
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-9	4-10	11-21	22-33	34-47	48+	PCT
461 <1	.0	4.2	.0	.0	.0	.5	4.2		1.7	1.7	.0	.0	.0	.0	3,3
1-2	.0	9.6	9.6	.0	.0		19.2			7.1	3.3	.0	.0	.0	10.4
3-4	.0	5.6	9.2	.0	ě	.ŏ	15.0		ō	2,5		.0	.0	.0	2.5
5-6	.0		5.8	.0	.0	.0	5.8		.0	.0	2.5	.0	•0	.0	2.5
7	.0	.0	.0		.0	.0	.0		.0	.0	.0	•0	•0	.0	•0
8-9	.0	.0	•0	.ŏ	.0	.0	.0		.0	•0	.0	.0	•0	•0	•0
10-11	.0	.0	.0	. 3	.0	.0	.0		.0	•0	.0	•0	•0	.0	•0
12	.0	.0	•0	.0	.0	.0	.0		.0	•0	.0	•0	•0	•0	• 0
13-16	.0	.0	•0	•0	.0	.0	.0		•0	.0	•0	•0	•0	•0	•0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	•0	• •
20-22	.0	۰.	•0	.0	٥.	• 0	•0		.0	•0	.0	.0	•0	•0	••
23-25	٠.	.0	•0	.0	.0	٠,٠	•6		.0	•0	.0	.0	•0	.0	•0
26-32	.0	.0	•0	•0	.0	•0	•0		•0	.0	•0	.0	•0	•0	.0
33-40	٠.	.0	•0	.0	.0	.0	.0		•0	•0	.0	.0	•0	٠,٥	.0
41-48	٠,٥	.0	•0	•0	•0	.0	•0		•0	.0	.0	.0	•0	.0	.0
49-60	.0	.0	•0	• ?	• ?	.0	•0		•0		.5	.0	.0	:0	ě
61-70	.0	.0	•0	•0	٠.٥	.0	•0		.0			.0	.0	.ŏ	
71-86	.0	.0	•0	•0	.0	.0	.0		.0		.0	.0		.0	·õ
874	.0	19.6	24.6	••	:0	.0	44.2		1.7		5.8		.0		18.8
TOI PCT	•0	14.0	44.0	•0	••	••	44.2		•••			•••	•••	•••	••••
				E								\$ E			
HGT	1-3	4-10	11-21	22-33	34-47	43+	PCT		1-1		11-21	22-33	34-47	48+	b
<1	.0	1.7	.0	.0	.0	.0	1.7		.0		.0	.0	•0	.0	1.7
1-2	.0	1.7	•0	.0	•0	.0	1.7		,0		•0	.0	.0	.0	•0
3-4	.0	.0	•0	.0	.0	•0	.0		•0		.0	.0	•0	•0	.0
5-6	.0	.0	•0	•0	٠.	.0	٥.		•0		•0	.0	•0	.0	••
7	.0	.0	•0	.0	.0	.0	•0		.0		.0	.0	.5		
8+9	.0	.0	•0	.0	•0	.0	.0		.0		.0		.0		
10-11	.0	.0	•0	•0	.0		.0				٠٥	.0	•0	.6	
12 13-16	.0	.0	.0	.0	.0		.0		ič			.0	.0		.0
17-19		:ŏ	.0	.ŏ			.0		Č		, õ	.0	.0	.0	.0
20-22			, ,			.ŏ	.0		, c		.0	.0	• 0	.0	•0
23-25			.0		ň	.0	.0			0	.0	.0	.0	.0	.0
26-32	.5		,0	.0	.0	.0	.0			10	.0	.0	.0	.0	•0
33-40	.0	.0	.0	.0	.0	.0	.0		. 0	• •0	.0	.0	•0	•0	•0
41-45	, ŏ	.0	.0	.0	•0	•0	.0				. 3	•0	•0	.0	•0
49-60	.0	.0	.0	.0	.0	.0	•0		•0		• 0	.0	•0	•0	•0
61-70	.0	.0	.0	.0	.0	.0	•0		.0	,0	•0	•0	•0	.0	•0
71-66	.0	.0	•0	.0	.0	.0	•0		• 0		.0	.0	•0	•0	•0
87+	.0	.0	.0	•0	•0	•0	.0		•9		.0	.0	•0	.0	. • 0
TOT PCT	.0	3.3	•0	.0	٠,	.0	3,3		•0	1.7	۰,	.0	•0	.0	1.7

B501004 40054-4-4	1943-1973	JANUARY AREA ONOS	BANGKA ISLAND NORTHWEST
PERIOD: (OVER-ALL)	1403-1413		.75 105.0E

PCT FRED OF	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				Pr	1 PRES (	SF MIND	PAFED	(KI2) WAD DIKE	CITON A	EK303 3	Ew ucto	H13 (F1)			
HGT	1-3	4-10	11-21	S 22 <b>-3</b> 3	34-47	48+	PCT	1=3	4-10	11-21	SW 22-33	34-47	48+	₽CT	
<1		.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1.7	
1-2	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
3-4	.0	.0	,0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
5-6	.0	.0	.0	.0	.0	٠.	.0	.0	• •	.0	.0	•0	.0	.0	
7	.0	.0	•0	.0	.0	٠,٥	.0	•0	.0	.0	•0	•0	•0	•0	
8c9	.0	٠.	.0	.0	.0	.0	.0	• • •	•0	• າ	.0	• 0	.0	•0	
10-1:	.0	.0	.0	٠,	•0	.0	•0	•0	.0	.0	.0	•0	.0	•0	
12	• ¢	.0	•0	.0	.0	٠.	.0	•0	• 3	.0	.0	• 2	.0	• 0	
13-16	.0	.0	•0	.0		.0	.0	•0	.0	•0	.0	• 5	.0	•0	
17-19	.0	.0	•0	.0	• ?	.0	• 6	•0	• 0	.0	•0	• 9	٠٥.	• 0	
20-22	.0	.0	.0	.0	٠.٥	.0	.0	• 2	0	• ?	.0	•0	.0	•0	
23-25	٠.0	.0	•0	•0	• Č	•6	•0	•0	•0	• 0	.0	•0	.6	.0 .C	
26-32	.0	.0	•0	•0	.0	٠,	.0	.0	.0	•0	.0	•0		•0	
33-40 41-48	.0	.0	•0	.0	٠.	.0	.0	.0		.0	.0	•0	.0	.0	
49-60	.0	.0	•0	.0	.0		.0	•0	.5	.0	.0	.5	.0	.0	
61-70	.0	.0	•0	.0	.0	:0	.0	.0	ŏ		.0	.0	.ŏ	.0	
71-86	.0	.0	.0		.0	.ŏ	č	, o	ŏ	š		.0	.0	.0	
87+	.0	.0	•0	.0	:0	:0	.0	.0	ŏ			.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.ö	.0	ő	1.7		.0	•0		1.7	
iui rei	••	.0	••	••	••	••	••	••	•••	••	•••	••	••		
				¥							NH				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	46+	PCT	PCT
<1	.0	5.3	• 0	•0	.0	.0	3.3	•0	.8	•0	•0	•0	.0	. 8	
1-2	.0	1.3	1.7	.0	.0	.0	2.9	1.7	3,8	2.1	.0	•0	.0	7.5	
3-4	.0	.0	.0	.0	.0	.0	.0	• 5	117	9.2	•0	• 5	.0	10.5	
5-6	٠.	.0	• 0	.0	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	
7	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	.0	•0	• e	•0	
8-9	.0	.0	•0	٠.	.0	•0	.0	•0	•0	.0	.0	•0	.0	•0	
10-11	. 0	.0	۰.	•0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0	
.12	٠0	.0	•0	.0	٠.	.0	•0	•0	.0	•0	.0	•0	.0	•0	
13-16	.0	.0	•0	•0	.0	٠,	.0	•0	.0	.0	.0	•0	.0	.0	
17-19 20-22	.0	.0	•0	.0	.0	.0	.0	ŏ		.0	.0		:0	.0	
23-25	::	.0	•0	.0	.0	:0	.0	.0			.0			.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	•0	:0	.0	
33-40	.0	.0		.0	.0	.0	.0	•0	ŏ	.5	.0	.0		.ŏ	
41-48	.0	.0	•0	•0	.9	.0	:0	•0		.0	.0	•0	.0	.0	
49-60			.0		.°			.0	.5	.5	.0		ě	ě	
61-70	.0	.,	.0	.0	.5	.5	٥٠	ຸ້າ	ŏ	.0		.0		.0	
71-86	č	.0	.0	.0		ŏ	.0	ó	.5		.0	•0		.0	
87+		.ŏ	.0	.0	ñ	.5				.,	.0	•0		.0	
TOT PCT	.0	4.6	1.7	.0			5.3	1.7	6.3	11.3		.0		19.2	95.0

### WIND SPEED (KTS) VS SEA HEIGHT (FT)

нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.7	15.0	.0	.0	.0	.0	21.7	085
1-2	1.7	23.3	16.7		.0	.0	41.7	
3-4	.0	10.0	18.3	. 0	.0	.0	28.3	
5-6		.0	8,3	.5	. 5	.0	8.3	
7	.0	.0	.0	.0	.0	.0	. 0	
8-9	.0	.0	.0	, i	.0	.0	.0	
10-11	. 0	.0	.0	.0	٠.٥	.0	.0	
12	.ŏ	.0	.5		. 0	.0	.0	
13-16	.0	.0	. c	ō	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	×0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	. 0	.0	.0	.0	
26-32	.0			.0	.0	.0	.0	
33-40		.0	.0	.0	. U	.0	.0	
41-46		.5		.0	. 0	.0	, o	
49-60	.0	.0		ō	.0	.0	.0	
51-70		.0		.0	.0	.0	ō	
71-86	·ŏ	·ŏ	.c	ő	.0		.ŏ	
07+		.0		ŏ		.0	.0	
374	•0							60

PERIOD: (OVER-ALL) 1950-1973

(

## PPRCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

TABLE 19

						–															
PERIOD (SEC)	<1	1-2	3-4	5-6		8-9	10+11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	67+	TOTAL	MEAN HGT
` <b>&lt;</b> 6	15.1	31.2	22.6	3.2	1.1	.0	.0	-0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	68	2
6-7	.0	1.1	5.4	8.6				ŏ	.0	.ŏ	:0	.0	.0		.0	.o	.0	.ŏ	.0	14	4
8-9	·ō		3.7	i.i	2.2	ě		.ŏ	.0	.ŏ	.0	ŏ	.0		.0	.0	.o	.ŏ	.0	8	5
10-11	.0	.0	٠.,	`.ŏ	0	.0	.0	٥٠		. o	:0	.0	.0	.ŏ	.0	.0	.0	, ò	.0	0	
12-13	.0	.0		.0	.0	.0		.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.4	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	0
TOTAL	19	30	29	12	3	0	0	0	0	Ö	0	0	0	0	0	. 0	٥	0	0	73	2
Bet	20.4	12.1	21 2	12.0	3.2				- 0	. ň	٠.				-0	. Ó	.ň.	. ň	٥٠	100.0	

APEA 0005 BANGKA ISLAND NORTHWEST .78 105.0E

PERCENT	FREQUENCY	QF	HEATHER	DCCURRENCE	8 v	MIND	DIRECTION	
					-			

			,	RECIPI	TATIO	. TYPE					UTHEP	WEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN Shwr	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUP	THOR	FOG HO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPA BLWG BLWG	DUST	
N	3.0	4.6	.7	.0	.0	.0	.0	8.3	1.2	.0	1.1	.0	•0		٠,	89.4
NE	.6	7.1	1.6	.0	.0	.0	.0	9.5	•0	3.2	6.3	.0	•0		.0	81.0
E	15.0	.0	.0	.0	.0	.0	.0	15.0	.c	.0	10.0	ō	.0		ō	75.0
ŠE	.0	.0	.0	.0	.0	.0	.c	.0	.0	.õ	.0	.0	.0		.0	100.0
Š	.0	.0	.0	.0	.0	.0	.0	.0	•6	.0	.0	ō	.0		. 0	100.0
Šh	.0	.0	.0	.0	.0	,0	.0	.0	16.7	33.3	.0	.0	. 0		.0	50.0
¥	6.9	6.9	. 0	.0	.0	.0		13.6	24.1	6.9		, č	• 0		.0	55,2
Nh	10.7	7.1	. 0	.0	.0	i.c	·č	17.9	2,6		1.0	:0	.0		Š	78.6
VAR	.0	.0	. 0	.0	.0	.0	5.	.0	•0	.ŏ		, č	.0			
CALM	.0	25.0	.0	.0	•0	•0	•0	25.0	•0	25.0	.0	.0	•0		.0	50.0
TOT PCT	4.2 283	5.7	.7	.0	•0	.0	.0	10.6	1.8	1.4	2.5	•0	•0		.0	83.7

TAPLE 2

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	CITAT	N TYPE					STHER	HEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	PAIN SHUR	CR7L	FRZG PCPN	SNC	OTHER FRZN PCPN	HAIL	PEPN AT OB TIME	PCFH FAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG We A
00603 06609 12615 18621	6.0 4.9 2.8 5.6	7.5 9.8 4.2 4.2	.0 1.2 1.4	.0	.0	.0	.0	13.4 15.9 8.5 9.9	3.0 1.2 .0 2.3	.0 1.4 4.2	1.5 1.2 2.8 5.6	.0	•0	.0 .0 .0	82.1 81.7 87:3 77.5
TOT PCT TOT CBS:	4.8 291	6.5	.7	.0	.0	•0	•0	12.0	1.7	1.4	2.7	.0	•c	.0	82.1

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wil	10 SPF	EC EXN	375)								HOUR	(GHT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL S&S	PCT FRFQ	MEAN SPD	00	03	06	09	12	15	18	21
NESS W W NAR VAR CALM	3.5 2.3 1.2 .5 .1 .4 2.4 .0	27.2 14.7 2.4 1.2 .6 1.2 3.4 11.0	11.8 3.4 .3 .0 .1 .1 .6 4.4	.3	.0	.0		42.8 22.7 3.9 1.7 .7 1.3 4.4 17.7	9.0 8.2 5.8 5.0 7.0 6.5 7.7	43.2 27.5 4.1 3.6 .7 1.1 6.5 14.0	45.5 22.7 .0 .0 .0 2.3 6.8 13.6	11.3 16.0 3.9 2.0 1.7 8.1 23.2	4.7 1.9 .4 .8 3.1	46.9 25.3 5.3 .3 .3 1.9 14.9	04.3 14.3 .0 .0 .0 .0 .0 .0 21.4	40.5 29.5 2.2 1.9 .4 .7 2.6 15.5	40.5 21.8 3.7 2.2 .0 3.4 3.9 15.1
TOT OBS	131 15.2	531 61.5	196 22.7	.6	.0	•0	#63	100.0	7.9	139	100.0	166	129	161	100.0	134	116

## TABLE 3A

WHO DIR	0-9	#1ND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	HEAN SPD	00 03	HBUI 06 09	12 12 15	18 21
N NE E SE S S M M HW VAR CALM TOT UBS TOT PET	14.0 9.8 2.9 1.3 .4 .9 2.3 7.9 .0 4.8 379	25.8 11.6 1.3 .4 .2 .3 1.7 9.4 .0	3.0 1.3 .1 .0 .1 .1 .3 .5 .0	.0	000000000000000	863	42.8 22.7 3.9 1.7 .7 1.3 4.4 17.7 .0 4.8	9.0 8.2 5.8 5.0 7.0 6.5 7.7 7.9	43.3 22.5 3.8 3.3 .7 1.2 6.5 14.0 4.7	41.8 18.6 4.2 1.4 1.3 5.9 23.1 2.4 295 100.0	47.6 25.3 5.1 .3 .3 1.8 15.2 16.8 100.0	40.5 25.9 2.9 2.0 3.2 15.3 0 8.0 250

E	E	R	١.	0	•

PERIODI	(PRIMARY)	1911-1973
	(DVER-ALL)	1866-1973

TABLE 4

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.0E

PERCENTAGE	<b>ERFOUENCY</b>	ΩØ	WIND	SOFFO	HOUS	

HOUR	CAI H	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL
00603 06609 12615 18621 TOT PCT	4.7 2.4 4.2 8.0 41 4.8	14.0 9.5 10.7 9.2 90 10.4	61.3 59.7 60.1 64.8 531 61.5	20.0 27.5 24.4 17.6 196 22.7	.0 1.0 .4 .5	•••••	•••	6.5	100.0 100.0 100.0 100.0	150 295 166 250 863

TABLE 5

TARLE 6

													IBLE O					
P	CT FRE			LOUD A		(EIGHTHS)			PEP 4	TAGE F	PEQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (	T,NH ;	4/8} 3N	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL CBS	MEAN CLOUD COVER	000 149	150 299	300 59°	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	*000+	NH <5/8 ANY HGT	
N NE E SE S S W W N N N V A R CALM TOT USS	7.3	13.6 3.3 .0 .0 .8 .3 .0 2.3 .0	19.7 9.8 .0 1.0 .0 .3 2.6 5.8 .0	13.9 2.8 1.5 .0 .0 .0 8.1 .0 1.0 27	<b>*</b> 9	5.2 4.9 5.6 6.0 5.5 6.6 6.4 8.0 5.4	•0	000000000000		1.5 1.5 1.5 .0 .0 .3 .8 2.5 .0	6.6 1.0 .0 .0 .0 .0 .0 .0 .0	1.8 2.0 .0 .0 .0 .0 .0 .0 .0 .0	.8 .0 .0 .0 .0 .0 .0	• • • • • • • • • • • • • • • • • • • •	••••••	000000000000000000000000000000000000000	43.9 15.2 1.0 1.0 .8 .3 2.0 8.6	99
TOT PCT	13.1	20.2	39.4	27.3	100.0		•0	•0	•0	8.1	10.1	6.1	2.0	•0	•ŏ	•3	73.7	100.0

TARLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VS84 (NH	1)			
CEILING	• GR	• UR	= GR	- DR	≠ CR	• CR	- CR	• OR
(FEET)	>10	>5	>8	>1	>1/2	>1/4	>5040	>0
■ CR >6500	.0	.0	.0	٠.	.0	.0	.0	.0
• NR >5000	.0	.0	.0	.0	.0			ŏ
<ul> <li>□ DR &gt;3500</li> </ul>	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.ŏ
<ul> <li>OR &gt;2000</li> </ul>	6.0	8.0	8.0	8.0	1.0	1,0	8.0	
= DR >1000	15.0	17.0	18.0	18.0	18.0			
■ TR >600	18.0	25.0	26.0			18.0	18.0	18.0
				26.0	26.0	26.0	26.0	26.0
■ DR >300	18.0	25.0	26.0	26.0	26.0	26.0	26.0	26.0
<ul><li>OR &gt;150</li></ul>	18.0	25.0	26.0	26.0	26.0	26.0	26.0	26.0
■ DR > 0	18.0	25.0	26.0	26.0	26.0	26.0	26.0	26.0
TOTAL	18	25	26	26	26	26	26	26

TOTAL NUMBER OF OBS: 100

PCT FREQ NH <5/81 74.0

## TABLE 7A

## PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

9	1	2	3	4	5	6	7	<b>8</b> 0	BSCD	TOTAL
2.8	14.7	22.9	21.1	14.7	6.3	5.5	2.8	7.3	.0	109

FERRUARY

1

								FFBI	RUARY						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1							TAI	BLE A				ARE	A 0005	BANGFA ISLAND MORTHWEST .75 105.0E
			P	ERCENT						URRENC				E OF	
	VSBY (NX)		N	NE	E	SE	5	Sw	w	NW	VAR	CALM	PCT	TOYAL	
	1707	PCP	.0	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0	•••	
	¢1/2	NO PCP	.5	.0			.ŏ	•0	:3	.5	.0	.0	.ŏ		
	ζ.,,ε	TOT &	.č	.0	.0	•0	.0	•0	ō	.0 .0	.0	.0	ō		
		PCP	.0	.0	•0	.0	.0	.0	.0	.0	.0	•0	.0		
	1/2<1	NO PCP	.0	.0	.0	.0	•0	.0	.0	•0	.0	•0	.0		
		TOT %	.0	.0	.0	.0	•0	•0	•0	•0	.0	• 0	.0		
		PCP	.7	.0	.0	•0	•0	•0	.0	•0	•0	• 0	.7		
	1<2	NO PCP	.0	.0		•0	•0	•0	•0	•0	.0	•0	•0		
		TOT \$	.7	•0	•0	•0	•0	•0	•c	•0	•0	•0	.7		
		PCP	.0	.0	•0	•0	•0	•0	.2	. 5	.0	•0	• 7		
	2<5	NO PCP		.0	•0	•0	•0	•0	.0	5	•0	•0	7		
		TOT \$	.7	.0	•0	•0	•0	•0	.2	1.1	.0	•0	1.4		
		PCP	2.6	2.0	. 3	•c	• 0	• 0	. 2	5.0	.0	.4	7.4		
	5<10	NO PCP	17.1	8.7	1.8	.4	• 5	.4	1.3	3.7	.0	•0	33.9		
		TOT \$	19.7	10.7	2.0	.4	.5	• 4	1.5	5.7	•0	. 4	41.3		
		PCP	. •	. 1	. 3	.0	•0	•0	.0	. 5	.0	•0	1.8		
	10+	NO PCP	28.4	11.5	1.2	1.1	•6	• 1	.9	10.0	.0	1.1	54.8		
		TOT \$	24.2	11.6	1.5	1.1	•6	• 1	• *	10.5	.0	1.1	56.5		

TOT OBS TOT PCT 49.8 22.3 3.5 1.4 1.1 .5 2.6 17.3

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VACUES OF VISIBILITY VSBY SPD N NE E SE S SW M NW VAR CALM PCT TOTAL													
VSBY (NH)	SPD KTS	N	NE	£	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
<1/2	4-10	.0	.0	.0	.0	,0	.0	.0	.0	.0		.0	
	11-21	٠.	.0	.0	.0	.0	.0	.0	.0	٠.		٠.	
	22+	.0	.0	.0	.0	.0	.0	. 0		٠.		.0	
	TO7 \$	.2	٠,	•0	• 9	,0	.0	•0	.0	•0	.0	. 2	
	0-3	.0	.0	٠.	•0	,0	:0	٠.	.0	.0	.2	.2	
1/2<1	4-10	.0	.0	.0	•0	.0	:0	٠.	.0	.0		.0	
	11-21	.0	.0	.0	•0	.0	•0	٠.	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•0	.0	.0	•0	•0	.0	.0	.0	.0	•2	.2	
	0-3	.0	.0	.0	.0	.0	:0	.0	.5	٠,0	.2	5.	
1<2	4-10	.2	.0	•0	.0	.0	.2	.0	.0	.0		.4	
	11-21	.2	.0	.0	.0	.0	.0	٠.	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.0	•0	•0	.0	.2	.0	.0	.0	.2		
	0-3	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	
2<5	4-10	.3	.1	.0	.0	.0	.0	.1	. 1	.0		. 0	
	11-21	.2	.0	.0	.0	.0	•0	.0		٥٠			
	22+	٠.	.0	.0	.0	.0	.0	.0	.0	ر ر		.0	
	TOT %	. 5	-1	.0	.0	•0	•0	.2		.0	.0	1.0	
	0-3	.7	٠.	.1	.0	.0	•	.1	. 5	.0	.4	2.6	
5<10	4-10	9.2	3.8	1.1	.2	.2	. 1	.5	2.2	.0		17.2	
	11-21	2.0	1.9	.1	.0	.1	• 1	.z	.6	.0		5.0	
	22+	.1	.1	.0	.0	.0	.0	٠.	.0	.0		.2	
	TOT \$	11.9	6.4	1.3	.2	.3	. 2	. 4	3.3	.0	.4	25.0	
	0-3	3.9	2.4	1.4	. 6	.1	.0	.2	1.9	.0	2.8	13.3	
10+	4-10	20.8	12.3	2.1	.9	, 5	.6	1.7	8.2	.0		47.1	
	11-21	6.7	2.3	• 0	.0	.0	.0	. 3	2.6	.0		11.9	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT #	31.4	17.0	3.5	1.5	.6	.6	2.2	12.6	.0	2.8	72.3	
,	TOT DES												505
1	TOT PCT	44.5	23.5	4.5	1.7	. T	1.1	3.2	16.7	.0	3.6	100.0	

E	A	۵	• •	٨	٧

PERIJD: (PRIMARY) 1911-1973 (DVER-ÅLL) 1856-1973

TABLE 10

APEA 0005 BANGKA ISLAND NORTHWEST .75 105.0E

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET, NH	>4/81	AND
	DCCURRE	NCF OF N	H <5/8 BY	HOUR		-

HOUR (GHT)	000 149	130 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.0	.0	.0	12.5	6.3	6,3	.0	.0	٠.	•0	25.0	75.0	32
96360	.0	.0	.0	11.5	3.8	.0	3.8	.0	.0	.0	19.2	80.8	26
12615	.0	•0	.0	•0	17.6	5.9	.0	.0	٠,	•0	23.5	76.5	34
18621	.0	٠,	.0	5.9	5.9	11.8	5.9	.0	٠,	•0	29.4	70.6	17
TOT PCT	.0	.0	.0	7.3	9.2	5.5	1.8	٥.	.0	•0	26 23.9	83 76•1	109

TABLE 11

TAGLE 12

PERCENT FREGIENCY VSBY (NM) BY HOUR							COMULAT					VSRY (VA) PUCH YRKE		
HOUR (GMT)	<1/5	1/2<1	1<2	2<5	5<10	10+	TUTAL DBS	MOUR (GMT)	C150 C50YD	<600 <1	<1000 <5	1000+ AND5+	NH 45/8 AND 5+	TOTAL DBS
00203	1.1	.0	1.0	2.1	22.7	73.2	97	€0300	.0	.0	13.3	13.3	73.3	30
90360	•0	٠.	.6	.0	26,5	72.9	155	90340	.0	.0	13.6	9.1	77.3	22
12615	•^	.0	.5	3.5	23.7	72.8	11+	17615	•0	.0	3,2	27.4	74.2	31
18621	• 2	.7	1.4	1.4	28.0	68.0	147	18521	٠,	.0	5.9	23.5	70.5	17
TOT PCT	.2	.2	.8	8 1.6	132	367 71.5	513 102-0	TOT PST	0	0		17	74 74 - 0	100

TARLE 13

TABLE 14

	PERC	ENT FR	EDUENC	Y U: R	ELATIV	E HU51	DITY B	Y TEMP	****			PERC	ENT FR	EQUENC	Y DF W	10 DI	RECTIO	N BY T	EMP	
TEMP F	0~29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	ZBC	PCT FREQ	N	NE	E	SE	S	SW	*	NW	VAR	CALM
90/94	.0	۰,0	.0	.4	.0	.0	.0	.0	1	.4	.4	.0	•0	.0	.0	.0	. 0	.0	.0	.0
85/89	.0	.0	.0	.0	. 4	2.7	1.3	.0	10	4.5	1.6	1.3		.0	ŏ	.ŏ		1.1		,õ
80/84	.0	.0	.0	.0	. 9	19.7	40.8	12.6	145		40.9	16.5	3.3	. 9		i	1.2	9.3	.0	1.3
75/79	.0	.0	.0	• າ	.c	1.8	40.3	9.0	47		8.2	4.0	. 6		. 6		1.6	4.4		
TOTAL	٥	0	0	1	1	54	117	48	223	100.0				• • •	• • •	•••		***	•••	••
PCT	,0	.0	•0	• •	1.3	24.2	52.5				51.1	22.4	4.3	1.5	1.0	.4	2.8	14.8	•0	1.3

TARLE 15

TABLE 16

	PEANS,	EKTREMI	S AND	PERCEN	YILES	OF TEX	IP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIPU	BY HOUR	t
HBUR (GMT)	MAX	99\$	95%	50%	59	14	MIN	MEAN	TOTAL	HUUR (S*T)	9-29	30-59	50-69	70-79	80-89	90-100	HEAN	TOTAL 085
00803 90360	88 92	86 86	83 87	80 82	76 78	75 76	75 73	80.3	150 287	EC380	.0	1.7	1.7	12.7	65.5 31.7	21.8	85 82	55
12615	04 84	83 83	83 82	81 80	78 77	75 75	74 74	80.9	167 247	12615	.0	•0	3.5	22.8	49.1 58.6	24.6	84 85	57 58
TOT	92	37	85	81	77	75	74	81.0	₹ <b>5</b> 1	TOT	0	1	3	56	117	53	84	230

FEBRUARY

^ERIOD: (PRIMARY) 1911-1973 (DVER-4LL) 1866-1973

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.0E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	W	WO
						101	-2-	
THP DIF	76	80	84	38	92		FQG	FDG
9/10	.0	.0	.0	٠,0	.4	1	•0	. 4
7/8	.0	•0	. 4	. 4	.0	ž	•0	, 9
6	.0	.0	.0	. 4	.0	ĩ	.0	.4
5	.0	.0	.0	. 4	.0	ĭ	•0	. 4
4	.0	.0	. 9	, 9	.0	Ĭ.	.0	1.6
3		•0	1.8	.4	.0	Ś	.0	2.2
2	.0	.0	7.6	.4	.0	18	.0	8.1
ī	.0	.9	9.9	1.3	.0	27	.4	11.7
Ü	.0	4.0	15.7	1.8		4.6	1.3	20.2
~ i	.0	6.7	12.0	0	. 0	43	.5	19.3
-2	.0	9.4	9.9	.0	.0	43	•0	19.3
-3	.4	3.6	9	.0	.0	11	.0	4.9
-4	. 4	2.2	1.3	.0	.0	ě	.0	4.0
-5	. 9	1.3	. 9	.0	٠.٥	7	. 5	3.1
-6	.4	. 9	.0	.0	.0	3	.0	1.3
TOTAL	5		138	-	1			219
_		65	-	14		223		_
PCT	2.2		61.9	6.3	.4	100.0	1.8	98.2

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 7 8-9 10-11 12 13-16 17-19 20-2 23-25 26-32 49-00 61-70 71-86 TPCT 4 4******************************** HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 4-10 1-3 1-21 

PERIOD:	(OVE	R-4( ( )	1943-	1973					FEBRUARY				4364	0008	Balleya	ISLAND NORTHWEST
								TABLE	18 (CUNT)				PREM	0003	.75 105	OE RESIDENCE
				PC	T FRES OF	WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS S	EA HEIG	H15 (FT)	)		
нст	13	4-10	11-21	\$ 22+33	34-47	48+	PCT		1=3	4-10	11-21	SW 22-33	34-47	٨.		
<1		.0		.0	.0	.0	.0		.0	.0	11=21	.0	.0	48+	PCT	
1-2	. 0	.0	. 0	.0	.0	.0	.0		. 0	. 5	. 5	٥.	.0	.ŏ	.0	
3-4		.c	.0	.0	.0	.0	.0		.0	Ü		.0	ŏ	.0	,0	
5-6	• 4	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0		.6	
7_	•:	.0	.0	.0	.0	.0	.0		.0	.0		•0	• • •	.0	.0	
8-9	. C	٠.	•0	.0	.0	• ?	•0		.0	:0		.0	.0	.0	.0	
10-11	٠.٥	.0	•0	•0	٠,٠	• 0	• 6		•0	.0	.0	.0	•0	.0	•0	
12	٠,٥	.0	•0	.0	•0	••	•0		•0	•0		.0	•0	.0	•0	
13-16	.0	.0	.0	.0	٠.	•0	•0		•0	•0		•0	•0	.0	•0	
20-22	.0	.0	.e	.0	٥.	.0	•0		• 0	.0	• •	•0	•0	.0	.0	
23-25	.č	.5		.0	.0	.0	.0		• 2	.0		•0	•0	.0	•0	
26-32		.0	.0	.0	:0		.0		.0		.0	•0	•0	٠,	•0	
32-40	.š		.0		ě	.0	.0		.0	ŏ		•0	•0	.0	•0	
41-48	.5	.0	.0	.5	.0	.0	.0		. 6	š	.5	.0	.0	.0	.0	
49-60	. 5	. 5	• 0	.0	Ĭ,	.0	.0		ň	.0	.0	.5	•0	.0	.0	
61-70	. 5	.0	.0	.0	.0	.0	.0		.0	.5	.0	.ŏ	• 5	ŏ	.0	
71-86	.0	. 9	.0	.0	.0	•0	'n		. 0	.0	.0	,0	•0	.ŏ	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		. 3	•0	.0	.0	
TOT PCT	•0	.0	•0	•0	.0	.0	•0		•0	•0	•	.0	•0	.0	.0	
				w								NW				TOTAL
HGT	1 - 3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	•0	•0	-0	• ^	.0	.0		2,2	. 4	•0	.0	• 0	.0	2.6	
1-2	• 2	1.7	•0	•0	.0	.0	1.7		.0	1.7	3.4	.0	•0	.0	5.2	
3-4	.0	1.7	.0	•?	. ^	•0	1.7		• •	2.2	3,9	.0	•0	.0	6.0	
5-6	.0	.0	•0	•0	• ?	. 0	•0		•0	• 0	1.7		• 2	.0	1.7	
7 8-4	::	• 0	•6	.0	.0	•0	• C		•0	.0	.0	.0	•0	.0	.c	
10-11	.0	.0	•^	.0	. ?	• • •	•0		•0	• 0	.0	. 5	.0	.0	•0	
12	.0	.0	.0	.0	.0	•0	•0		.0	•0	.0	.0	•0	.0	.0	
13-16	ě	.0	• • • •		.5	.0	•0		.0	.0	•0	•0	•0	.0	•0	
17~19	. 5	.0		.5	؞ٛ	.0	.0		•0	.0	.0	.0	•0	.0	•0	
20-22	. 3	.ŏ	.0		.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
23-25	.c	.0	.0	.0	.,	.0	.0			, 6	.0	.0	.0	:0	.0	
26-32	.c	.0	•0	.0	.0	.0			š	.0	.0	.0	•0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		ň	.0	.0		.0		.ŏ	
41-48	.0	.0	.0	.0	. 5	. 5	, n		• 2	,5			ěŏ	.0	.5	
49-60	• 0	.0	•0	.0	.0	.0	.0		.0	.0	• 0	.0	.0	.0	.č	
61-70	•0	.0	•0	.0	.0	٠.	. 0		.0	.0	.0	.0	.0	.0	.0	
71-86	٠.	.0	•0	•0	•0	•0	.0		•0	.0	.0	.0	•0	.0	.0	
87+	.0	.0	•0	.0	• 6	•0	.0		٠, ٥	.0	.0	.с	• 0	.0	.0	
TOT PCT	٠.	3.4	•0	.0	.0	•0	3.4		2.2	4.3	9.1	.0	•0	.0	15.5	96.6

	₩ 1 NO	SPECD	(KTS)	VS REA	HEIGHT	(FT)		
нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	13.6	15.3	1.7	.0	.0	.0	30.5	DBS
1-2	1.7	16.9	10.2	.0	.0	.0	28.8	
3-4	.0	11.9	18.6	.0	.0	.0	3C.5	
5-6	.0	1.7	5.1	.0	.0	.0	6.8	
7	.0	.0	1.7	.0	.0		1.7	
8-9	.0	1.7		ŏ	.0		1.7	
10-11				ŏ	.0	.ŏ		
12	.ŏ	č		ě	.0		.0	
13-16	.ŏ			ŏ	ŏ	.0		
17-19	.0	.0			.0		•0	
20-22			.0	.0		.0	•0	
	•0	.0	.0	.0	.0	•0	• 0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	•0	•C	•0	.0	.0	.0	
33-40	.0	•0	.0	.0	.0	.0	.0	
41-40	.0	•0	.0	•0	٠.	.0	.0	
49-60	.0	•0	•0	.0	.0	.0	.0	
<b>61~70</b>	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	ŏ	
		• •	• •	• •		• • •	••	59
TOT PCT	15.3	47.5	37.3	.0	-0	. 0	100.0	•

PEPIO	D: (OV	ER-ALL:	194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	SHT (FI	r) VS	WAVE P	ERIGO	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20 <b>-</b> 22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6_	15.4	29.5	7.7	3.8		1.3	.0	.0	.0	.0	:0	.0	.0		.0	.0	.0	;°	.0	46	2
6-7 8-9	•0	1.3	7.7	7.7 1.3	3.8	1.3	1.3	.0	.0	.0	:0	.0	.0		•0		٠,		.0	18	3
10-11	ŏ	1.3		1.3	.ŏ	1.3	·õ	.ŏ		.ŏ	:ŏ	.0	.0				:8	:0	.0	•	2
12-13	.0	.0	.0	.0	.0	.0	.0	.õ	.0	.0	.0	.0	.0		.0			.ŏ		ō	•
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	;0	.0	.0	0	.0	.0	.0	.0	.0	0	
INDET	5.1	•0	3.8	.0	.0	.0	.0	.0	.0	.0	;0	•0	.0	.0	.0	.0	.0	.0	.0	7	1
TOTAL	. 16	27	16	11	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	78	3
PCT	20.5	34.6	20.5	14.1	5.1	3.8	1.3	.0	.0	.0	:0	•0	:0	- 0	.0	.0	- 0	: ñ	- 0	100.0	-

TABLE 1

AREA 0005 BANGKA ISLAND NORTHWEST .78 105.0E

DEBCENT	ERECHENCY	O.E.	MEATHER	DCCURRENCE	2.	WIND	DIRECTION

			•	RECIPI	TATIO	Y TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPY	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N NE E	2,2 1,3 3,3	3.1	.0	.0	.0	.0	.0	5.3 1.3 3.3	1.3	3.5 2.7 1.6	4.0 2.0	.0	•0	.0 .0	87.2 92.6 95.1
\$ E \$ \$ b	9.5 2.8 18.5	16.7 12.3	4.8	.0	•0	.0	.0	14.3 19.4 30.8	.0 .0	4.8	.0	.0	•0	•0	81.0 80.6 69.2
N Ne VAR	11.5 3.8	9.1	.0	.0	•0	.0	.0	13.8 12.9	3.0	4.6	.0	.0	•0	•0	77.0 83.3
CALP	5.0	5.0	.0	.0	•0	.0	.0	10.0	.0	.0	.0	•0	•0	•0	90.0
TOT PCT	4.2 381	4,2	.3	.0	.0	٠.	•0	8.7	1.0	2.4	1.6	.0	•0	•0	86.4

TABLE 2

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	TYPE					OTHER	MEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN Shur	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCFN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THUŔ LTNG	FOG WD PCPN	POG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST RLWG SNUH	ND SIG WEA
00503 06609 12615 18621	8.4 3.4 .0 5.8	3.6 8.4 1.1 5.0	.0 .0 1.1 .0	.0	.0	.0	.0 .0 .0	12.0 11.8 2.1 10.8	1.2 1.7 1.1	.0 .0 2.1 5.8	1.2 1.7 1.1 3.3	.0 .0	•0	•0	85.5 84.9 93.6 80.0
TOT PCT TOT CBS:	4.3 416	4,3	.2	.0	•0	.0	.0	1.4	1.0	2.2	1.9	•0	•0	•0	85.6

TABLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOLR

				EC (KN		_								(GHT)			
WND FIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPO	00	03	06	09	12	15	16	21
N NE	3.6	21.9	5.7 2.0	:	.0	.0		31.3	7.7 7.1	22.3	50.0	30.2	35.2 17.3	35.2 25.1	36.4	35.2	28.6
E	2.2	3.6	. 3	. າ	.0	.0		0.1	5.1	6.3	.0	4.1	7.7	5.4	9.2	7,5	5.6
Ş. Ş	2.0	2.0	.1	.0	.0	•0		2.9	4.5 5.3	4.9 5.7	•0	2.3	3.1 1.9	1.5	9.1	2.6	4.3
\$ <b>*</b>	1.1	2.6 3.2	.3	.1	•0	•0		4.1	6.2 5.9	10.1 7.3	12.5	4.3 5.9	1.2	.3 3.3	4.5	3.4 3.7	5.6 4.3
NW VAR	1.8	12.3	2.7	.0	. 5	.0		16.8	7.6	17.4	•0	19.7	23.1	17.3	4.5	10.5	13.8
TOT CAS	10.5	719	132	,	1	٥	1153	10.5	6.2	9.7 175	25.0	14.4 257	6.2 162	198	9.1 11	11.3	11.2
TOT PCT	25.9	62.4	11.4	.2	, ī	.ŏ		100.0			100.n						

TARLE 3A

		WINO	SPEED	(KNCTS)						HOU	CGHT!	)
WHO DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	1.8
				_		OBS	FREQ	SPD	03	09	15	21
<b>h</b>	14.7	15.3	1.3	•	.0		31.3	7.7	22.9	32.1	35.3	32.3
٧E	9.3	8.9	٤.	.0	.0		18.6	7.1	15.9	14.9	25.0	20.4
	4.6	1.4	.1	.0	.0		6.1	5.1	6.1	5.5	5.6	7.1
\$1	3.9	.,9	.0	.0	.0		4.8	4.5	4.7	4.7	4.1	5.5
\$	2.1		.0	.0	.0		2.9	5.3	5.6	2.1	1.7	3.3
Šw	2.7	1.2	ž	.ŏ	.0		4.i	6.2	10.2	3.i		4.3
ű.	3.2	1.6	•	.0	:0		4.6	3.1	7,4	5.3	3.1	4.0
		8.7		'*					17.0			
NW	7.0				•0		16,8	7.6		21.1	10.6	11.8
VAR	.0	-0	.0	•0	.0		.0	.0	•0	.0	.0	•0
CALM	10.5						10.5	.0	10.1	11.2	8.1	11.3
TOT CAS	679	448	25	1	0	1153		8.2	179	419	209	346
TOY BET	44.0	38.0	2.3		ň		100 6		100.0	100.0		

HARCH

PERIOD: (PRIMARY) 1914-1973 (CVER-ALL) 1858-1973

AREA 0003 BANGKA ISLAND NORTHWEST .78 105.0E

PERCENTAGE FREQUENCY OF WIND SPEFD BY HOUR (GM)	PERCENTAGE	FREQUENCY	G#	WIND	SPEFD	84	HOUR	CGPT
-------------------------------------------------	------------	-----------	----	------	-------	----	------	------

					SPEED (				PCT	TOTAL
HJUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREG	085
60300	10.1	16.8	60.3	12.8	.0	.0	.0	6.0	100.0	179
06609	11.2	16.2	60.4	12.2	.0	.0	.0	6.2	100.0	419
12615	8.1	12.9	67.5	11.5	.0	.0	.0	6.5	100.0	209
18621		15.3	62.7	9.8	. 6	. 3	.0	6.2	100.0	346
TOT	121	178	/19	132	2	1	C	6.2	•	1153
PCT	10.5	15.4	62.4	11.4	. 2	. 1	.0		100.0	

	TABLE 5 PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS)											TA	BLE 6					
	PCT FRE			CLDUD A		(EIGHTHS)		I					CEILIN NH <5/					
WND DIR	3-2	3-4	5-7	8 & OBSCD	TCTAL DBS	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5600 6499	6500 7999	<b>8000</b> +	NH <5/8 ANY HGT	
N	3.7	11.5	13.5	4.8		4,9	•0	•0	.7	. 5	3.0	3.0	1.8	•0	•0	1.3	22.8	
NE	7.2	6.8	7.7	2.7		4.C	.0	• 2	.0	• 0	.8	2.0	.3	.7	.7	.7	18.7	
E	1.8	2.8	3.3	. 0		4.2	•0	• 6	.0	.0	1.5	.7	,5	• 0	•0	.0	6.2	
ŠĖ	. 0		1.0	1.0		7.1	•0	.0	.0	.0	. 3	.7	.0	.0	•0		1.0	
č		.7	•0	. 3		4.0	.0		.0	.c	. 3	. 0	.0	.0	.0	. 5	1.0	
ŠH	• 5		2.7	1.0		5.3		•6	ě	.7	1.0	.,	.0	.0	•0	.0	2.8	
	• ;								-		2.0	-						
H	.3	1.0	5.0	1.3		5.6	•0	• 6	.c			2•	2.	•0	•0	٠.5	2.7	
NH	• 7	3.7	7.8	4.5		6.0	•0	•0	• '	1.2	3.0	1.7	• 7	•0	•0	• 0	9.5	
VAR	.0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0	•0	.0	•0	•0	•0	
CALM	.0	.7	3.3			5.8	.0	• ^	.7	• 0	.7	.7	٠,	.0	• 0	.0	1.3	
TOT UBS	22	42	62	24	150	4.9	0	0	3	4	19	14	6	1	1	3	99	150
TOT PC1	14.7	28.0	41.3	16.0	100.0		•0	•0	2.0	2.7	12.7	9.3	4.0	.7	• 7	2.0	66.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING MEIGHT (NM >4/8) AND VSBY (NM)

				VSBY (NH	3			
CEILING	e DR	- GR	• OR	- OR	● DR	• CR	• 7R	• DR
(FFET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• PR >6500	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
■ OR >5000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
<ul> <li>□R &gt;3500</li> </ul>	0.0	7.3	7.9	7.9	7.9	7.9	7.9	7.9
■ DR >2000	14.6	16.6	17.2	17.2	17.2	17.2	17.2	17.2
• OR >1000	27.2	29.1	29.8	29.8	29.4	29.8	29.8	29.8
- DR >600	29.1	31.8	32.5	32.5	32.5	32.5	32.5	32.5
• DR ≥300	30.5	33.8	34.4	34.4	34.4	34.4	34.4	34.4
■ DR >150	30.5	33.8	34.4	34.4	34.4	34.4	34.4	34.4
= OR > 0	30.5	33.8	34.4	34.4	34.4	34.4	34.4	34,4
TOTAL	40	51	32	12	52	92	52	52

TOTAL NUMBER OF OBS:

(

PCT FRED NH <5/8:

TABLE 7A

PERCENTAGE PREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 0	<b>B</b> \$C0	DB\$
4 .	12.0	20.2	14.4	9.4	11.6	11.0	0.2	4.1	-0	143

TA	P	LE	8
----	---	----	---

		P	FRCENT	FRED PREC	OF WIN	D DIRE	CTIGN Th Var	VS DCC	URPENC	E OR A	IBILI	CURRENC TV	E OF
V88V		<b>N</b>	NE	Ε	SE	S	Sw	¥	NW	VAR	CALM	PCT	TOTAL
	PCP	.c	.c	.0	.0	.0	•0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.c	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
	TOT \$	.c	.6	.c	.0	•0	•0	.0	• 0	.0	•0	.c	
	PCP		.0	.0	.0	.0	٠,	.0	•0	.0	.0	.0	
1/2<1	NO PCP	. C	.0	.0	.0	.0	• 0	.0	.0	.0	•0	۰,0	
	TOT %	٠.	.c	.0	•0	•0	• 0	•0	•0	.0	.0	.0	
	PCP	.0	.5	.0	.c	.0	٠,	.0	.0	.0	.3		
1<2	NO PCP	• 0	.0	.0	•0	• 0	30	.0	•0	.0	.0	.c	
	TOT %	•c	.0	•0	•0	•0	•0	•c	•0	•0	•3	.3	
	PCP	٠.	.0	.0	.0	•0	••	٠,0	.0	.0	.3	.3	
2<5	NO PCP	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	.0	• 0	
	TOT \$	.0	.0	•0	•0	•0	• 0	•0	•0	•0	.3	. 3	
	PCP	1.2	.1	.3	. 9	. 5	. 0	. 8	2.2	.0	.0	6.8	
5<10	NO PCP	7.9	6.0	1.9	2.8	2.4	. 9	2.2	6.4	.0	2.4	32.8	
	TOT %	9.1	6.1	2.2	3.5	2.9	1.6	3.0	A,7	•0	2.4	39.6	
	PCP	.4	13.3	.0	.0	.4	.4	.0	.0	.0	.0		
10+	NO PCP	20.3		5.9	2.0	1.4	2.0	2.7	5.6	.0	2.4	58,5	
	107 %	20.7	13.4	5.9	2.0	1.8	2.4	2.7	8.6	.0	2.4	59.8	
	TOT 1185												381
	TOT PCT	29.7	19.5	8.1	5.5	4.7	4.3	5.7	17.3	.0	5.2	100.0	

TABLE 9

VSBY (NH)	SPD	74	48	Ε	38	5	511	4	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	•0	.ŏ	.0	.0	.0	.0	.0	.0	• • •	ō	
	11-21	.0	.0	.0	.0	.0	.0	٥.	.0	.0		.0	
	22+	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	•0	•0	.0	.0	.0	.0	•0	•0	
	0-3	•0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	•0	.0	•0	•0	.0	.0	•0	• 0	.0		.0	
	11-21	•0	•0	•0	•0	•0	.0	.0	•0	.0		.0	
	22+	.0	•0	•0	•0	.0	.0	• 0	.0	.0	_	.0	
	TOT %	•0	•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	
	0-3	•0	•0	•0	.0	.0	.0	.0	٠,	.0	.1	.1	
1<2	4-10	٠į	.0	•0	•0	•0	.0	.0	• 1	•0		.1	
	11-21	•0	.0	•0	•0	•0	.0	• • •	• ?	•0		•0	
	55+	.0	.0	•0	•0	•0	.0	٠,٥	.0	.0		٠.	
	<b>TOT *</b>	-1	•0	•0	•0	•0	.0	.0	.1	•0	•1	.3	
	0-3	.0	.0	.0	•0	.0	.0	• 1	-1	.0	.3	.4	
2<5	4-10	.0	- 1	•0	•0	• 2	:2	٠,	•0	.0		.6	
	11-21	٠0	•0	•0	•0	•0	.0	٠.	-1	.0		• 1	
	22+ TOT #	-1	٠,	• 5	•0	• 2	.0	• 0	.1	•0		.1	
	101 4	-1	-1	•0	•0	.2	.2	• 1	.3	.0	.3	1.3	
	0-3	-1	.3	.4	.7	.4	. 2		.5	.0	1.6	5.0	
5<10	<b>~-10</b>	4.2	3.1	.7	1.2	1.1	.7	1.5	2.7	.0		14.8	
	11-21	٠,9	•1	• 1	• 1	.1	.3	•1	1.7	.0		3.4	
	22+	0	0	. • 0	0	0	. • 1	0	.0	•0		1	
	TOT \$	5.2	3.5	1.2	2.0	1.6	1.3	1.4	5.0	.0	1.8	23.4	
	0-3	2.6	1.3	1.7	1.1	. • •	1.0	1.0	1.1	.0	7.3	17.5	
10+	4-10	16.7	11.8	3.3	.8	1.2	2.4	2.6	10.7	.0		49.6	
	11-21	3.7	2.4	. 3	•0	.0	.0	• 5	1.3	.0		7.9	
	55+		0	0	. • 0	0	.0	₹.5	0	.0		0	
	TOT \$	23.0	15.6	5.3	1.9	1.6	3.4	3.7	13.1	•0	7.3	74.9	
	OT DAS												674
T	DT PCT	28.3	19.3	6.6	3.9	3.4	5.0	5.6	18.4	.0	0.5	100.0	

MARCH

PERIODI (PRIMARY) 1914-1973 (OVER-ALL) 1858-1973

TABLE 10

AREA 0009 BANGKA ISLAND NORTHWEST .75 105.0E

PERCENT	FREQUENCY D	F CEILING	HEIGHTS	(FEET, NH	>4/81	AND
	BCCARR	ENCE OF N	H <5/8 BY	HOUR		

HOUR (GMT)	000 149	150 299	300 599	800 999	1000 1999	2000 3499	3500 4999	9000 4499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.0	.0	.0	.0	10.8	10.8	4.1	.0	2.7	•0	32.4	67.6	37
90360	.0	.0	2.9	8.6	22.9	17.1	2.9	2.9	.0	•0	57.1	42.9	35
12615	.0	.0	.0	•0	8.0	6.0	4.0	.0	.0	4.0	22.0	78.0	50
18621	.0	.0	5.7	2.9	\$.6	2.9	2.9	.0	.0	2.9	25.7	74.3	35
TOT	ç	0	. 3	. :	19	14	. ?	1	1	. 3	52	105	157

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V58Y	(NH)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GPT)	¢1/2	1/2<1	1<7	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <b>&lt;5</b>	1000+ AND5+	NH <5/8 AND 3+	TOTAL Das
C0803	.0	.0	.0		31.1	68,0	122	60803	•0	.0	.0	34.3	65.7	35
00309	.0	.0	.5	.0	23.9	75.7	219	90360	.0	2.9	11.4	45.7	42.9	35
12615	٠,	.0	.7	.0	19.3	60.0	150	12615	•0	.0	.0	22.0	78.0	50
18621	.0	.0	.0	3.7	27.9	68.5	219	18621	.0	6.5	12.9	16.1	71.0	31
TOT	0	.0	,	1.3	180	518 73.1	709	101 967	0	3.0	5.3		**	151

				7	ARLF 1	•									TABL	E 14				
	PERCE	NT FR	EQUENC'	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PET		PERC	ENT FR	EQUENC	V 0F W	IND DI	RECTIO	N 87 T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	<b>90-100</b>		PREG	N	NE	E	SE	\$	3 W	¥	MM	VAR	CALM
90/94 85/89 80/84 75/79 TOTAL	.0	•••	.0	.0	•0		16.1 5.7	15.5 7.4 70	20 234 39	1.3 6.7 78.8 13.1	1,5 25,5 2,0	1.0 17.7 .1	.0 .3 •.2	.0 .7 4.4 1.0	.3 2.5 2.0	.0 .6 4.0 1.0	.0 .3 3.2 1.7	13.0 13.0	.0	1.3 2.4 .3
PCT	٥.	٥.	•	.0		21.5		23,6	•••		29.0	19.4	7.2	6.1	5.2	5.0	5.2	18.5	.0	4.4

				TAS	LF 15									TABLE	16			
	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR										PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGINU	BY HOU	ì
HOUR (GHT)	MAX	99x	<b>95</b> %	50\$	54	15	HTM	MEAN	TOTAL OBS	HOUR (GMT)	0-29	20-59	60-69	70-79	80-89	*0-100	MEAN	TOTAL
€0300 <b>♥</b> 0340	92	87 91	14	81 83	77 78	73 76	73	80.7 43.2	186	00203	:0	.0	4.3	14.7	51.5 51.1	13.8	87 82	68 94
12615 18621 TOT	86 85 92	85 84 87	84 83 86	82 81 82	79 77	77 74 75	76 71	41.8	211 354 1173	12815 1881 TOT	.0	•0	•0	28.6 10.3	58.4 57.7	12.9	83 87	70 97

PAGE 392

C (

HARCH

PERIODI (PRIMARY) 1914-1973 (OVER-ALL) 1856-1973

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST .78 105.0E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

IR-SEA	73 76	77 80	81	85 88	89 <b>9</b> 2	TOT	PDG	¥0 #06
4/10	.0	.0	.c	.0	.7	2	.0	.7
7/8	.0	•0	.0	.?	. 3	1	•0	, 3
6	.0	.0	.0	.,	. 7	3	•0	1.0
	.0	.0	. 3	.7	1.0	•	.0	2.0
4	.0	.0	.3	1.0	• 0	4	.0	1.3
3	.0	.0	. 3	1.4	.0	Ś	•0	1.7
2	.0	.0	3.0	1.7	. 3	15	•0	5.0
ī	.0	.7	4.7	1.4	.0	20	. 3	6.3
2 1 0 -1	.0	2.0	14.3	1.3	.0	53	.7	16.9
• i	ō	5.0	15.0	7	.5	64	7	20.6
-ž	.0	7.3	15.6	ň	.0	69	.7	22.3
-3	.0	2.3	3.3	.0	.0	17	.0	5.0
	.0	4.7	3.7	.0	.0	25	.3	8.0
-5	.0	1.0	2.0	.0	.0	- 9	•0	3.0
-6	.ŏ	.,7		.0	.0	ž	.0	.7
-7/-B	1.0			. 0	.0	5		1.7
-11/-13			.0	.0	.0	ĭ	.0	. 3
	.,	• • •		• 0	.,	•	•	293
TOTAL	•	73	191	25	•	301	•	273
PCT	1.0		63.5	1.3	3.0	100.0	2.7	97.3

PERIUD: (GVER-ALL) 1963-1973

***

TABLE 1

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT C1 1-2 3-4 5-6 7 8-9 10-11 12 13-15 17-19 20-42 23-25 24-32 24-32 41-88 49-90 61-70 71-86 57 71-86 1-3 125.01 12.13 12.00 12.00 12.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 1-3 11-21 34-47 1-3 4-10 

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				PC	I PKEO (	HINU	ZNEED	(KI2) AND DIKE	CIIUN Y	FK202 2	EN HEIG	HTS (FI)			
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT	1=3	4-10	11-21	SW 22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	• 0	.0	.0	
1-2	.0	.0	.0	.0	.0	•0	.0	.0	1.7	.0	.0	,0	.0	1.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1.7	
5-6	.0	.0	•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8~9	.0	.0	•0	•0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	. 5	•0	.0	.0	.0	.0	.0	•0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	. č	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	•0	Ö	.0	.0	.0	.0	•0	ō	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	
33-40	.5	.0	٦		.0	.0	ŏ	, o	.0	.0	.0	•0	.0		
41-48	.0	.0		.0		.0	ŏ	ō	.0			•0	.0	.0	
49-60		.5	.0	.0	.0		ŏ	ň	. 0		.0		.0	.0	
61-70	.5		.ŏ	.0	.5		.0	.0	.0	.0	.0	•0		.0	
71-86	.0	.0	.0	.ŏ	ë	.c	ě	.5	.0	.0	.0	.5	.0		
87+		.0	.0		ň		ŏ	ŏ	.0	.5		.0	.0	.0	
TOT PCT			.0	.0	.c	.0		• 5	3.3		.0	.5	ŏ	3.3	
10.	••	••	••	••	••	••	••	• •		••	••	• • •	••	3.7	
				W							NW				TOTAL
PGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22~33	34-47	48+	PCT	rct
<1	٠٥.	.0	•0	.0	.0	.0	.0	1.7	5.0	.0	•0	• 3	.0	6.7	
1-2	.c	.0	.0	.0	.0	.0	.0	.0	5.8	.0	.0	•0	.0	5.8	
3-4	.0	.0	•0	.0	.0	.0	.0	•0	.4	4.2	.0	.0	.0	4.6	
5-6	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0	
7	.0	٠.	.0	.0	.0	.c	.0	•0	.0	.c	.0	•0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	• 6	• 0	. o	.0	.0	۰,0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	. 0	.0	.0	٠,	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	. 5	.0	•0	
20-22	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	. 0	.0	.0	.5	.0	.0		.0	.5	.0	•0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
33-40	.0	.0	. 6	.0	.0	.0	.0	.0	.0			.0	.0		
41-48		.0	.0	.0	.0	.0	.0	iŏ	.0	.ŏ		•0	.0	ŏ	
49-60	.0	.ŏ	.0	·ŏ	ě	.ŏ	٠٥	.0		.ŏ	.0	.0	.ö		
61-70	.0	.0	.0	.0	.0		·ŏ	,0	.0	.0		.0	.0	.0	
71-86	.3		ŏ	.ŏ	.0	.ŏ	č	.0	.0	.ŏ	.0	.0	:0		
67+	.0		.0	.0	.0		.0	.0	. 6	.ŏ	.0	.0		.0	
TOT PCT	.0		•0	•0	.0	.ŏ	č	1.7	11.3	4.2		.0	.ŏ	17.1	98.3
			• •	-0	•••	• • •	••	44'		704	••		• • •	4.47	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

	WIND	3,660	14131	42 254	wE I dui	1017		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	101
<1	5.0	23.3	• C	.c	.0	.0	28.3	035
1-2	.0	33.3	10.0	.0	.0	.0	43.3	
3-4	.0	13.3	11.7	.0	.0	.0	25.0	
5-6	.0	.0	3.3	. 0	.0	.0	3.3	
7	.0	.0	•0	.0	. ú	.0		
8-9	.0	.0	.0	.0	.0	.0	.c	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	, 0	.0	. 0	.0	.0	Ü	
13-16	•0	.0	• C	. 0	.0	.0	.0	
17-19	.0	.0	• 0	.0	.0	.0	.0	
20-22	.0	.0	•0	, o	.0	.0	.ŏ	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0		•0	ò	.0	.0	.0	
33-40	•0	.5	•0	٥	.0	.0	ō	
41-48	.0	.0	•0	.0	.0	.0	.0	
49-60	.0	·ŏ	•0	.0	.0	.0	.ŏ	
61-70	.0		•0	ò	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	ŏ	
87+	.0	.0	.0		.0	.0	.č	
3,1		••	• • •	•••	•-	•••		60
TOT DET	• •	70.0	25.0				100.0	

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAME PERSOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	67+	TOTAL	MEAN HGT
<6	19.5	35.2	15.6	2.3	.0	.0	.0	.0	.0	.0	:0	.0	٠.	.0	.0	.0	.0	.0	.0	93	2
0-7	.0	1.6	3.9	. 8	.0	.0	.0	.0	.0	.0	.0	. 0	, n	.0	.0	. io	.0	iò	.õ		ã
6-9	• 0	.0	. 8	1.6	.0	.0	.0	.o	.0	.0	.0	.0	.0	.0	.0	.o	.ō	.0	.0	3	Ă
10-11	•0	1.6	1.6	.0	.0	.0		.0	•0	. 5	.0	.0	.ŏ	.0	.0	.0	.0	.0	.0	4	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	:0	.0	٠.	.0	.0	.0	.0	.0	.0	0	
>13	•0	.0	. 0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.o	.0	.0	.ò	0	
INDET	12.5	3.1	.0	.0	.0	.0	.0	.0	.0	.ò	:0	.0	.0	.0	.0	Ĭ	.o	.ŏ	.ŏ	20	0
TOTAL	41	53	ŽĒ	6	0	0	Ö	Č	Č	0	Ö	Ö	ō	0	9	Ŏ	č	ŏ	Ö	128	ž
Bet	32.0	41.4	41 0	4 7		×	ž				• • •				á	×					-

PERIODI (PRIMARY) 1914-1972 (OVER-ALL) 1857-1972

TABLE 1

AREA 0005 BANGKA ISLAND NORTHWEST .65 105.0E

DERCENT	ERECHENCY	OF WEATHER	DECURRENCE	AY WIND	DIRECTIO

				RECIPI	TATIO	TYPE					STHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	OR7L	FR7G PCPN	SNOH	OTHER FRZN PCPN	HAIL	DE TIME	PCPN PAST Hour	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMUKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	1.4	5.5	2.1	.0	.0	.0	.0	9.0		1.4	9.7	.0	•0	•0	81.4
NE	3.5	2.3	.0	.0	.0	.0	2.3	8.2	•0	3.5	1.2	.0	.0	•0	66.3
ε	2.9	1.4	.0	.0	.0	.0	.0	4.3	.0	2.5	.0	.0	•0	.5	92.9
ŠE	.0	3.6	. 0	0	.0	.0	.0	3.6	3.6	1.8	.0	.0	• 0	.0	90.9
Š	4.0	5.7	.0	.0	.0	.0	.0	9.7	4.0	.0	.0	.0	. 0	• 0	86.4
Šw	12.5	8.3	.0	.0	.0	.0	2.1	22.9	5.2	4.2	.0	.0	.0	.0	67.7
W.	13.3	4.1	, ŏ	.0	.0	.0	2.0	19.4	4.1	4.1	.0	.0	.0	.0	72.4
Ñb	4.7	4.7	1.2	, 5	.0	.0	.č	10.5	. 0	4.7	4.7	ō	4.7	٥٠	75.6
VAR		.0	7.0	.ŏ	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9	.0	.0	.0	•0	.0	.6	2.9	2.9	8.6	.0	.0	-6	.0	85.7
TOT PCT	4.1 318	3.8	.3	.0	•0	.0	.6	\$.8	2.2	3.1	1.0	.0	.3	.0	84.3

TABLE Z

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	HEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	ARZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUP	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZP	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	4.9 7.0 5.3 5.0	3.7 6.0 2.7 3.0	.0 1.3	.0	.0	.0	.0 .0 1.3 1.0	8.6 15.0 10.7 9.0	3.7 1.0 .0 3.0	.0 1.0 6.7 7.0	.0 3.0 1.3 4.0	.0	.0 .0	.0	87.7 80.0 82.7 77.0
TOT PCT TOT CBS:	5.6 356	4.5	.3	.0	٠.	•0	.6	11.0	2.0	3.7	2.2	•0	.3	• 2	61.5

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WHO DIR	0-3			22-33		48+	TOTAL DBS	PCT FREQ	PEAN SPD	00	03	06	HOUR 09	(GHT) 12	15	18	21
N NE	2.7	6.8	:7	.1	.0	.0		10.2	5.5	10.0	4.2	10.9	11.5	10.8	22.7	11.1	7.5 12.1
E S E	3.5	7.8 10.8	.2		.0	.0		11.1	5.4 5.1	19.0	20.8	11.0	12.2	16.3	36.4	15.8	12.9 15.0
S Sw W	3.2 3.2 2.2	6.9 4.8 4.9	.5	.1 .1 .3	•0	.0 .0		8.5 7.9	5.6 5.3 6.2	15.2 9.0 7.3	12.5	8.9 12.1 13.5	7.0 11.3 6.5	9.6 6.4 6.1	13.6	3.9	11.4 8.6 6.8
Nu Var	1.8	5.5	.0	. 2	.0	0.0		7.7	6.0	7.0	29.2	11.9	8.7	5.3	4.5	5.9	5.0
CALM TOT CAS TOT PCT	16.7 385 40.1	534 55.7	37 3.4		.0	.0	959	16.7	4.0	12.0 150	100.0	10.9 202 100.0	15.7 115 100.0	164	100.0	21.5 165	20.7 140 100.0

TARLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 20-40	41+	TOTAL DVS	PCT FREQ	MEAN SPU	00 03	H8UI 06 09	12 15	18 21
N NE	7.5	2.6	:1	.0	:0		10.2	5.5 5.3	9.6	11.1	10.4	9.4
E	8.0	3.0	.0	.0	.0		11.1	5.4	10.5	11.4	11.0	11.0
SE	11.	2.7	• 6	• 1	.0		14.5	5.1 5.0	19.1	10.3	16.4	15.4
S Sw	7.6	2.8	.2	.1	.0		8.5	5.3	7.3	11.	6.0	6.1
¥	5,6	2.0	. 4	•1	.0		7.9	6.2	7.1	11.0	5.7	6.5
NW	5.6	1.9	•1	.2	.0		7.7	6.2	1,6	10.7	5.3	5.5
VAR CALM	16.7	•0	•0	•0	.0		16.7	.0	11.1	12.6	21.1	21.3
TOT DES	750 78.2	198		.3	:0	959	100.0	4.6	162	317	175	305

PERIODI	(PRIMARY)	1914-1972
	INVER-ALL L	1847-1077

TABLE 4

AREA 0005 BANGKA ISLAND NORTHWEST .68 105.0E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (G	PERCENTAGE	FREQUENCY	GF	WIND	SPEED	BY	HOUR	(GMT	,
-----------------------------------------------	------------	-----------	----	------	-------	----	------	------	---

AUDH	CALH	1-3	4-10		SPEED ( 22-33		48+	MEAN	PCT FREQ	TOTAL DBS
60200	11.1	22.0	61.7	4.3	,0	.0	.0	4.9	100.0	162
90300	12.6	26.2	57.1	2.5	1.6	.0	.0		100.0	317
12615	21.1	21.1	55.4	2.3	.0	.0	.0		100.0	175
18621	21.3	12.3	51.1	4.6	.7	.0	.0		106.0	305
TOT	160	225	534	33	7	ŏ	Ö	4.6	•••••	959
PCT	16.7	23.5	55.7	3.4	.7	. 0	• •	,	100.0	

TABLE 5

TABLE 6

•	CT FRE			CLOUD A		reighths)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	9 & 085CD	TOTAL COS	MEAN CLOUD COVER	000 149	150 299	300 599	860 999	1000 1999	2000 3499	350G 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	2.1	2.1	5.8	•0		4,3	.0	• •	.0	. 9	.0	.7	.0	.0	.0		8.4	
NE	2.2	5.8	6.3	.0		4.2	•0	•0	.0	.0	2.7	.7	io	.0		.0	11.0	
E	1.9	6.5	6.9	.0		3,9	•0	•0	.0	.0	7	.7	ō	•0			9.9	
SE	2.7	2.9	5.8			5.0	•0	•0	.0	.7	2.2	1.5	, õ	.0		.,	9.8	
S	1.9	2.6	1.6	1.9		5.4	•0	•0		1.4	2.7	3.6	.0	.0	•0	.0	6.7	
WŽ	. 2	.7	4.3	1.7		6.2	.0	.0	. 2	1.0	1.2	1.0	.0			.0	3.4	
Ū	,c	.7	6.3			6.1	•0	.0	.0	1.0		5	1.2	•0	•0	.5	5.5	
ÑW	2.7		2.4	•.0		3.6		ň	ŏ	5	.0	.,	*:ž	.0			4.3	
VAR	٠.٥	.0	-0			.0	ě	.0	ŏ	.0			. 0			.0		
CALH	5.5	4.1	3.4			3	.5	•5	. 7	2.1	•••			.0			0	
TOT OBS	16	38	67	13	146	4.6	• • • • • • • • • • • • • • • • • • • •	•5	• • •	-::	15	14	• 0		•0	• 7	10.3	146
TOT PCT	19.2	26.0	45.9	8.9	100.0	4.0	•ŏ	•0	1.4	7.5	10.3	7.6	1.4	•0	.0	. 7	101 69.2	100.0

TARLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

				VSBY (NH	1)			
CFILING	• OR	• OR	• DR	- CR	• DR	• CR	• OR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
# DR >6500	.7	.7	.7	.7	.7	.7	.7	.7
<ul> <li>OR &gt;5000</li> </ul>	.7	.7	.7	.7	.7	. 7	.7	.7
• CR >3500	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
• GR >2000	10.7	12.1	12.1	12.1	12.1	12.1	12.1	12.1
= OR >1000	19.5	22.1	22.1	22.1	22.1	22.1	22.1	22.1
<ul> <li>DR &gt;600</li> </ul>	26.2	28.9	29.5	30.2	30.2	30.2	30.2	30.2
■ DR >300	26.2	30.2	30.9	31.5	31.5	31.5	32.2	32.2
■ CR >150	26.2	30.2	30.9	31.5	31.5	31.5	32.2	32.2
• DR > 0	26.2	30.2	30.9	31.5	31.5	91.5	32.2	32.2
TOTAL	39	45	46	47	47	47	748	77.1

TOTAL NUMBER OF DESI 149

(· (

PET FREQ NH <5/81 67.8

## TABLE 74

### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSC DBS 8.1 11.3 21.3 17.5 10.6 7.5 10.6 0.9 6.3 0 160

PERIOD: (PRIMARY		914-1972 857-1972						TAB	LF 6				ARE	A 0005	BANGKA ISLAND NORTHWEST .05 105.0E
			P	FRCENT	FREQ (	DF WIN	D DIRECTION WIT	TION V	ING VA	RRENCE	OR N	ON-OCC IBILIT	URRENÇ Y	€ OF	
	V58Y			NE	E	SE	5	Sw	W	NW	VAR	CALM	PCT	TOTAL OBS	
``		PCP	.0	.0	. ၁	. 3	.0	• 2	.0	.0	.0	•0	.0		
	<1/2	NO PCP		.0	.0	.0	.0	.0	.0	.0	.0	•0	.0		
·	,.	TOT %	ñ	ò	.0	ŏ	•0	•0	.0	.0	•0	.0	.0		
		969	.0	٠,	•0	.0	.0	.0	.c	.0	.0	.0	.0		
	. / > / 1	NO PLP		. 5			.0	• 2	. 2		.0	• 9	.0		
		TOT \$	.6	.5	.0	:3	.0	•0	:3	.0	.0	•0	.0		
		PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0		
	1<2	NO PCP		.0	.0	.0	.3	.0	.0	•0	.0	. 3	. 6		
	• ••	TOT \$	.0	.0	.0	•0	•3	•0	•0	•0	.0	.3	.6		
		PCP	.0	.0	.0	.0	•0	.7	. 2	•0	.0	• C	.9		
;	2<5	NO PCP	.0	.0	•0	.0	•0	• າ	• 0	• 2	.0	•0	.0		
		TOT \$	.0	.0	.0	•0	•0	•7	. 2	.0	.0	•0	.9		
		PCP	.4	.6	.2	.6	1.0	1.0	1.3	. 3	.5	.3	6.C		
	5<10	NO PCP	3.0	3.0	4.2	6.6	2.4	1.^	*.0	2.2	.0	1.6	26.1		
		TOT &	9.¢	3.5	4,4	7.2	3.5	2.0	3,3	2.5	•0	1.5	32.1		
		PCP	.4	. 5	.3	.0	.3	•0	.0	.4	.0	.0	1.9		
	10+	NO PCP	7.4	9.4	6.3	10.1	9.7	4.0	4.2	3.9	•0	8.5	64.5		
		TOT \$	7.8	9.8	6.6	10.1	10.1	4.8	4.2	4.2	•0	8.8	66.4		
		TOT 085									_			318	
		TOT PCT	11.4	13.4	11.0	17.3	13.8	7,4	7,7	8.3	•0	11.0	100.0		

TABLE 9

				١	HITH V	RYING	VALUES	GF VI	SIBIL	TY			
YSRY	SPD KTS	N	NE	E	SE	S	Sw	₩	NW	YAR	CALM	PCT	TOTAL
(NH)	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.1			ŏ	٥٠	.0	.0	. i	.0		.2	
	11-21		Č		.0	ŏ	,ŏ	.0	.õ	.0		ō	
	22+	.0	.š	·ò	.0	.0	.0	.0	.0	.0		,0	
	TOT \$	.1	.0	.0	.0	•0	.0	.0	.1	•0	.0	.2	
	0-3	.0	.0	.0	•0	.0	.0	٠.	.0	.0	.0	.0	
1/2<1		.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	•0	•0	.0	•0	•0	.0		•0	
	22+	.0	٠٥	•0	•0	•0	:0	•0	.0	٠.	_	•0	
	TOT %	•0	•0	•0	.0	.0	.0	•0	.0	•0	.0	.0	
	0-3	.1	.0	.0	.0	.0	.0	.0	- 1	.0	.2	.3	
1<2	4-10	.0	•0	•0	.0	•0	٠.٥	••	.0	.0		•0	
	11-21	.0	٠0	.0	.0	.2	.0	•0	.0	.0		.2	
	22+	•0	•0	•0	•0	•0	•0	.0	٠.	٠,٥	•	.0	
	TOT \$	•1	•0	•0	•0	.2	.0	••	.1	.0	.2	.,	
	0-3	.0	.0	•0	.0	.0	- 1	-1	.0	.0	.2	.3	
2<5	4-10	• 0	•0	•0	•0	.0	٠2	.2	.0	.0		.3	
	11-21	.0	.0	•0	•0	.0	٠2	.1	.0	.0			
	22*	.0	.0	•0	•0	•0	.0	.0	.0	٠٥	.2	1.0	
	TOT \$	.0	•0	•0	•0	•0	.,	••	.0	.0	• •	***	
	0-3	.3		.3	.7	.0	.4	.3	.4	.0	1.2	4.4	
5<10		1.3	1.1	2.2	3.3	1.7		1.5	••	•0		12.4	
	11-21	. 5	.2	•0	•0	.5	•	٠,٢	.0	.0			
	22+	.0	0	0	0	0	1.3	1.0	1.3	• 0	1.2	10.3	
	TOT \$	2.0	2.1	2.5	3.9	2.2				.0	1.2		
	0-3	2.8	3.1	2.0	2.5	2.3	2.2	1.3	1.5	.0	16.8	34.3	
10+	4-10	5.2	4.0	5.3	7.8	7.4	3.7	3.1	3.4	.0		43.9	
	11-21	.3	• •	.3	•2	٠,٢	٠,٥	.4	.1	• 0		1.8	
	22+	0	.0	0	0	.0	0	0	.0	.0	14.4	•0.1	
	101 S	8.2	9.5	7.6	12.5	7.8	5.9	4.8	4.9	.0	16.8	-0.1	
	TOT DES							_					597
	TOT PCT	10.4	11.6	10.1	16.4	12.1	7.6	7.0	6.4	.0	18.3	100.0	

٠	0	1	

PERIOD: (PRIMARY) 1914-1972 (OVER-ALL) 1857-1972

TABLE 10

AREA 0005 BANGKA ISLAND NORTHNEST .65 105.0E

PERCENT	FREQUENCY OF	CFICING	HEIGHTS	(FEET,NH	>4/81	AND
	BCCURRE	NCP OF N	4 <5/8 B	Y HOUR		

HOUR (GHT)	000 149	150 299	300 599	620 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	HH <5/8 ANY HGT	TOTAL OBS
60300	.0	•0	•0	8,5	17.0	8.5	:0	•0	.0	•0	34.0	66.0	47
90360	.0	.0	2.7	5.4	8.1	16.2	2.7	.0	٠.	•0	35.1	64.9	37
12615	.0	.0	5.4	5.4	8.1	8.1	•0	•0	.0	2.7	29.7	70.3	37
16621	.0	.0	.0	10.8	2.7	5.4	2.7	.0	.0	•0	21.6	78.4	37
TOT	0	0	1.9	12 7.6	15	15	1:3	0	0	1	48	110	158

TABLE 11

TABLE 12

		PEPCENT	FREQUEN	CY VSBY	( (NH)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (G4T)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL OBS</th> <th>HOUR (GHT)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ 4ND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL OBS
00403	.0	.0	۰.	1.7	16.4	81.9	116	00603	.0	•0	8.5	25.5	66.0	47
90360	. 5	.0	.c	1.1	20.0	78.4	190	90360	•0	2.9	8.6	28.6	62.9	35
12615		٠.	.0	.0	10.3	30.7	131	12615	.0	5.9	11.6	20.6	67.6	34
18621	.5	.0	1,0	1.0	23.2	74.2	198	18#21	•0	•0	14.1	12.1	75.8	33
TOT PCT	.3	.0	,3 ,5	. 9	127 20.6	497 78.3	635 100.0	TOT PCT	.0	2.0	15 10.1	33 22.1	101 67.8	149 100.0

TARLE 13

TABLE 14

	PERC	ENT FR	EQUENC'	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	7074.	PET		PEKC	ENT FA	EQUENC	Y DF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0~29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PREQ	N	NE	E	SE	Ş	SW	Ħ	NW	VAR	CALM
85/89 80/84	.0	.0					6.0 49.4		38 186	16.3	2.4 9.3	2.5	3.1	1.9	2.7	4.5	5.9	1.3	.0	10.3
75/79 TOTAL	•0	.0					2.1 134	1.7	233	3.9	•0	.c	.0	1.3	.0	1.2	1.4	•0	۰0	.0
PCT	.0	•0	•0	•0	3,4	30.5	57.5	8.6			11.7	12.3	13.1	18.6	13.4	6.0	1.2	5.2	.0	11.6

TABLE 15

TABLE 16

	HEAMS, I	EXTREME	S AND	PERCEN	TILES	OF TE	4P (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCA	OF RELA	TIVE H	PTIDITY	SY HOUR	t .
HOUR (GHT)	HAX	991	95%	50%	5%	14	MIN	MEAN	TOTAL DBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-69	90-100	MEAN	TOTAL
00503	93 95	90 92	86 89	82 84	78 79	76 76	75 75	82.2	165 334	00£03 00£09	•0	.0	9.7	31.3	56.3	12.5	83 79	64 72
12615	8.8 8.8	86 85	85 84	83 82	80 79	78 76	78 76	82.7 81.9	177 303	12815 18821	.0	•0	4.0	26.0	58.0	12.0	82 83	50 78
TOT	95	90	87	83	79	76	75	82.0	979	TOT	0	Ö	<b>Q</b>	81	148	26	82	264

PAGE 338

***** 

PERIOD: (PRIMARY) 1914-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA 0005 BANGKA ISLAND NUPTHWEST .65 105.0E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT	W	wa.
THP DIF	76	80	84	88	92		FOG	FOG
11/13	.0	•0	.3	.0	.0	1	•0	. 3
7/8	.0	.0	.3	. 3	. 0	1 2	. 5	.7
	.0	.0	.0	.0	. 3	ī	.0	.3
5	.0	.0	. 0	. 3	.0	ĩ	. 0	. 3
4	. 0	.0	. 3	2.4	. 3	ğ	. 3	2.7
3	.0	.0	1.4	7	. 3	1 9 7	.0	2.4
ž	.0	.0	2.7	3.4	1.0	21	.0	7.1
4 3 2 1 0 -1	. 0	.3	3.1	4.1	.0	22	.0	7.5
ō		.3	11.9	4.1	.c	48	. 3	15.9
<b>-</b> 1		.3	17.3	2.4	.0	59	1.4	18.6
-2	.0	1.0	12.2	1.0	.0	42	• 3	13.9
-3	.0	1.4	8.5	.0	.0	29	. 3	9.5
-4	.0	2.4	8.8	. 3	.0	34	• 6	11.5
-5	.0	1.7	2.0	.0	.0	11	.0	11.5
-6	.0	. 3	. 3		.0	ž	• 0	.7
-7/-8	.3	1.4	.0	.0	.0	5	.0	1.7
-9/-10	.0	. 3	.0	.0	.0	1	• 0	.3
TOTAL	ĭi		204	•	6	_	ě	287
	-	28		56		295		
PCT	. 4	9.5	69.2	19.0	2.0	100.0	2.7	97.3

PERIOD: (DVER-ALL) 1963-1972

TABLE 16

				PC	T FRES C	F WIND	SPEED	(KTS) A	NO PIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
	1-3	4-10	11-21	N 22-93	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
HGT	1-3	1.5	.0	.0	.0	•••	1.5		• • •	70,0	.0	.0	.0	.0	- 4
<1 1-2	:0	1.1		.0	.0	:0	1.1		1.5	9.8	1.5	:0	.0	:0	12.9
3-4	ĕ	1.5	.0	.,	.č	.0	1.5			3.0		ě		.ŏ	3.0
5-6	.0		.0	.0	ò	.0	.0			.0		.0	.5	.0	.0
7	.0	.ŏ	•0	.0	.0	.0	.0		ň	ŏ	.0	.0	.0		.0
8-9	ŏ	.ŏ	•0	.0	.0	.0			c		.ŏ	.0	.0	.0	.0
10-11	٠			.0		.0	•0					.ŏ	•0	.5	.0
12	.ŏ	.0	.0			.0	.0		.0	.0	.5	.0	• 0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	• 0	.0	.0
17-19	.5	.0	•0	•0	.c	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	•0	.0	.0	.0	.0		.0	:0	.0	.0	•0	.0	.0
23-25	. 5	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
26-32	٠.	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	•0
33-40	.0	.0	•0	. 2	• • •	.0	.0		•0	.0	•0	.0	•0	.0	.0
<b>41-48</b>	.0	.0	•0	.0	.0	.0	•0		•0	٠.	٠.	•0	•0	.0	•0
49-60	.0	.0	•0	.0	.0	.0	.0		•0	•0	.0	•0	•0	.0	.0
61-70	.0	.0	•0	.0	•0	•0	•0		•0	•0	.0	•0	•0	•0	•0
71-86	.0	.0	•0	•0	•0	.0	•0		•0	• 2	.0	.0	• 0	.0	•0
87+	•0	.0	•0	•0	•0	٠0	•0		• 0	0	•0	•0	•0	•0	0
TOT PCT	.0	4.2	•0	.0	•0	•0	4.2		1.5	13.3	1.5	•0	•0	•0	16.3
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.5	1.1	•0	.0	.0	.0	2.7		1.5	4.1	,0	.0	•0	.0	7.6
1-2	.0	11.7	1.5	.0	.0	.0	13.3		1.5	8.7	.0	.0	•0	.0	10.2
3-4	.0	.0	.0	.0	.0	•0	•0		.0	3.0	•0	.0	•0	.0	3.0
5-6	.0	.0	.0	.0	. 5	•0	.0		• າ	•0	٠.	•0	•0	.0	•0
7	٠.	.0	,0	.0	.0	•0	•0		•0	.0	•0	•0	•0	•0	•0
8-9	.0	1.5	•0	.0	٥٠	•0	1.5		• 0	•0	.0	•0	•0	.0	•0
10-11	.0	.0	•0	.9	•0	.0	.0		•0	.0	.0	.0	•0	.0	•0
12	.0	.0	•0	•0	.0	•0	•0		• 0	.0	.0	•0	•0	•0	•0
13-16	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	.0	•0	.0	•0
17-19	.0	.0	•0	.0	•0	ď.	•0		• 2	•0	•0	•0	•0	٠,٥	•0
20-22	.0	.0	•0	.0	.0	.0	•0		•0	•0	•0	.0	•0	.0	•0
23-25	.0	.0	•0	.0	.0	•0	•0		•0	.0	••	.0	.0	.0	.0
26-32	•0	٠,٥	•0	.0	:0	.0	.0		•0	:0	.0	.0	.0	.0	.0
33-40 41-48	.0	.0	•0	.0	.0	.0	.0		.0	:0	.0	:0	.0	.0	.0
	.0	.0	•0	.0	.0	.0	.0		•0	:0	.0		.0		٠٥
49-60 61-70	.0	:0	•0	.0	.0	.0	.0		.0	:0	.0	.0	.0		ě
71-86	.0	:0	.0	.0	.0	.ŏ	.0		٥	ö	.0	:	.0	.ö	.0
#7÷	.0	:0	:0	.0	.0	-0	.0		ě	.0			.0		.0
TOT PCT	1.5	14.4	1.5	.ŏ	ě	.0	17.4		3.ŏ	17.6	.ŏ		.0		20.8
101 PC		44.4	403	.0											

								APRIL								
PERIODI	COVE	R-ALL)	1963-1	972				TABLE 18 (CONT)	ı			AREA		BANGKA :		CORTHWEST
				PC	T FRED I	OF WIND	SPEED	(KTS) AND DIREC	TION V	FRSUS S	EA HEIG	HTS (FT)	)			
		4-10	11-21	5 22-11	34-47	48+	PCT	1-3	4-10	11-21	SW 22-13	34-47	48+	PCT		
HGT <1	1-3	10	.0	.0	.0			.0	3.0	.0	.0	.0	.0			
1-2	1.1	7.8	.0	.0	iŏ		11.0	, ,	2.7	.0		.0	.0			
3.4		1.1	.0	.0	. 0	.0	1.1	.0	- 4	.0	.ŏ	.0	.0			
5-6	ō		.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0			
7	. 5	. 0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0			
8-7	.0	.0	.0	.0	.0	•0	•0	•0	• 0	.0	.0	•0	.0			
10-11	.0	.0	•0	.0	.0	.0	•0	• 2	•0	.0	.0	•0	.0			
12	.0	.0	•0	.0	•0	•0	•0	•0	•0	•0	•0	٠٥	٠,			
13-14	.0	.0	•0	•0	.0	• 0	• 0	•0	:0	:0	.0	•0	:0			
17-19	•0	.0	•0	.0	.0	•0	.0	•0	ŏ	.0	.ŏ					
20-22 2 <b>3-25</b>	.0	.0	.0	.0		.ŏ	ě	.0	ě	.ŏ	.ŏ	ŏ	.0			
26-32	.ŏ		.0	.0	.č	.ŏ	ě	.0	Č	ŏ	.0	.0	.ŏ			
33-40	.ŏ		.0		.ŏ	.ŏ		.0	.0	.0	.0	.0	.0			
41-48	ŏ	.ŏ	ŏ	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0			
49-60	. 0		.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0			
61-70	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0			
71-86	.0	.0	.0	•0	.0	•0	.0	•0	•0	•0	•0	•0	.0			
87+	.0	.0	.0	.0	.0	•0	.0	• 0	.0	•0	•0	•0	.0			
TOT PCT	1.1	11.0	•0	•0	۰,0	•0	12.1	.4	6.1	•0	•0	•0	.0	4.4		
				¥							NW				TOTAL	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	46+	PCT	PCT	
<1	٠.٥		0.0	.0	.0	.0	. 0		.0	.0	.0	•0	.0	0	-	
1-2	.0	1.5	.0	.0	.0	.0	1.5	.0	, q	.0	.0	.0	.0			
3-4	.0		.0	.5	.c	.0	.0	1,5	• •	.0	.0	.0	.0			
5-6	.0	.0	.0	1.5	• 0	.0	1.5	•0	•0	.0	.0	•0	.0			
7	.0	.0	•0	.0	.0	.0	.0	• 0	•0	.0	•0	•0	.0			
8-9	•0	.0	•0	.0	.0	•0	.0	•0	•0	.0	.0	•0	.0			
10-11	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0			
12	.0	.0	•0	.0	•0	.0	.0		:0	.0	.0	.0	:0			
13-16 17-19	.0	.0	•0	.0	.0	.0	.0			.0	.0	.0				
20-22	.0	.0	.0	:8	.0	:0	ĕ		ŏ	ě		.0	.0			
23-23			•0				.0			.0		.0				
26-32	ě		.0	.ŏ		.0	ŏ		.0	.0	.0	.0	.0			
33-40		.ŏ				•0	.0		.0	.0	.0	.0	.0			
41-48	.ŏ	.0	ō	.0	.0	.0	.0	.0	.0	.0	.0	• 0				
49-60	.ō	.0	.0	. 0	.0	• 0	.0		.0	.0	.0	• 0	.9			
61-70	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	•0				
71-86	.0	.0	.0	.0	•0	•0	•0		•0	.0	•0	•0	• 9			
87+	.0	0	• 0	0	.0	•0	0	•0	.0		•0	•0	.0		81.8	
TOT PCT	٠.	1.5	•0	1.5	.0	•0	3.0	1.5	•0	•0	•0	•0	• • •		01.0	

٠0		٠0	.0	• (	)		,0	•0	.0	.0	•0	.0	•0	
.0		.0	.0	. (	)			•0	•0	•0	.0	.0	• ?	
.0		.0	.0		,		. 0	•0	•0	.0	•0	.0	•0	
.0		.0	.0				.0	•0	.0	.0	•0	.0	•0	
.0		.0	.0					.0	.0	•0	• 0	.0	.0	
.ŏ		.0	·ò				c	.0	.0	.0	.0	.0	.0	
		.0	.0				. 0	.0	.0	.0	•0	.0	•0	
.ŏ		ŏ					.0	•0	.0	.0	•0	.0	.0	
		.0	.0				.0	,0	.0	.0	.0	.0	.0	
1:5		.0	·õ	3,	ō	1	, 9	.0	•0	•0	•0	•0	1.5	81.8
			MIND	SPEED	(KTS)	VS 9EA	HE1GH1	(FT)						
	HOT		0-3	4-10	11-21	22-33	34+47	48+	PCT	101				

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4=10	11-21	22-33	34+47	48+	PCT	707 085
<1	20.9	11.9	.0	.0	.0	.0	32.0	4.5
1-2	6.0	44.8	3.0	.0	.0	.0	53.7	
3-4	1.5	9.0	.c	. 0	.0	.0	10.4	
5-6		.0	.0	1,9	.0	.0	1.5	
7	.ŏ	.ŏ			.0			
8-9	.ŏ	1.5		ŏ	.0	,ŏ	1.5	
					ŏ			
10-11	.0	.0	.0	.0				
12	.0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	. 6	.0	.0	.0	
26-32	.0	.0	.0	.0		.0	.0	
33-40	.ŏ	.0	.0	ŏ			.ŏ	
							:0	
41-48	.0	٠.	.0	•0				
49-60	.0	.0	.0	.0			.0	
61-70	.0		.0	•0		.0	.0	
71-86	.0	.0	. 0	•0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
•••	••	••	• • •	• •		•	•-	47
TO TOT	28.4	47.2	3.0	1.5	.0	.0	100.0	•

PERIO	D: (0V	ER-ALL	1 194	9-197	2				TABLE .	19											
					PERCENT	FREG	UENCY DI	WA'	∕E HE√G	HT (PI	; ys 1	FAVE PI	ER 100	LSECON	051						
PERIOD	<1	1-2	3-4	5-6	7	1-4	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-40	41-70	71-86	87+	TOTAL	MEAN HGT
(SEC) (6_	17.6	36.1	5.9	1.7	.0	3.	.0	.0	.0	٠,	:0	.0	.0	:0	.0	.0	.0	,0	.0	74	2
6-7 8-9	.0	.0	5.0	1:7		.0	:0	:0	:0	:8	٥٠	.0	.0	.0	.0	:ŏ		:0	ij	3	4
10-11	.0	.0	.0	.0	:0	.0	.0	:0	.0	:8	ö	.0	.0	.0		.0	.0	.0	.ŏ	ē	•
>13 INDET	27.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	:0	:0	.0	:0	35	0
TOTAL	54	44	14		0	1	0	Ó	0	. 0	.0	0	0	0	. 0	.0	.0	.0	.0	119	1

TABLE 1

AREA 0005 BANGKA ISLAND HORTHWEST

PERCENT FREQUENCY OF WEATHER OCCU	URRENIE BY WIND DIRECTIO	١N
-----------------------------------	--------------------------	----

			•	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN	DRZL	PRZG PCPN	SNOW	OTHER PRZN PCPN	HAIL	PCPY AT OB TIME	PCPN PAST HOUR	THOR LTNG	POG WD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE E SE Sw W Nw VAR CPLM	2.9 4.4 2.6 .0 2.4 2.4 17.8	9.8 17.4 5.9 .7 5.7 2.4 .0	.00.00		000000000000000000000000000000000000000			9.8 20.3 10.3 3.3 5.7 4.3 7.3	.0 .0 1.3 .0 .0 .0	17.1 4.3 4.4 5.3 2.9 4.8 4.9 8.9	.0		2.9	.0	68.3 75.4 82.4 90.1 91.4 90.4 87.8 68.9 .0
TOT PCT TOT ORSI	2.8	3.6	.4	.0	.0	.0	.c	6.3		5.6	.4	.0	.4	•0	85.9

TABLE 2

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZ PCPH	HAIL	PCPN AT OB TIME	PCPN PAST HDUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 00609 12615 18621	7.0 4.8 1.5 2.4	5.3 4.8 1.5 7.1	1.6 1.2 .0	.0 .0	.0	.0	.0	14.0 10.7 3.1 9.5	.0 1.5 1.2	.0 7.7 14.3	.0 1.2 .0 4.8	.0	1.8 .0 .0	•0	84.2 88.1 87.7 70.2
TOT PCT TOT 0#5:	3.6	4.8	.7	.0	••	•0	•0	9.3	.7	3.9	1.7	σ.	.3	• າ	82.1

### TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND 5PE	ED (KY	075)								HOUR	(GHT)			
MND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	HEAN SPD	00	23	06	09	12	15	18	21
N.	1.7	2.8	.0	. 3	.0	•0		4.6	4.5	2.5	•0		7.1	7.5	.0	4.1	3.1
ŅĒ	1.9	4.2	.2	• • • •	•0	•0		. 6.2	5,3	4.9	0	4.0	5.7		4.0	9.2	9.5
· ·	2.4	8.4	•	.1	•0	•0		11.6	6.2	7.4	17.9	8.8	11.5	15.5	60.0	15.3	
SE	3.5	19.2	1.5	.1	.0	•0		24.2	6.0	30.3	32.1	24.5	17.9	23.3	20.0	23.6	25.6
S	4.1	13.9	1.7	.0	.0	.0		19.7	6.3	20.4	21.4	24.9	23.6	12.4	.0	15.5	22.5
Sw	2.8	6.6	1.4	. 0	.0	.0		10.8	6.2	14.8	14.3	11.9	8.7	8.1	10.0	9.9	6.8
lu lu	1.4	3.3	. 7	.0	.0	.0		5.4	6.4	7.9		6.0	5.6	4.5	10.0	4.1	4.0
Nw	1.9	2.2	.4	.0	.0	.0		4.3	4.9	4.8	•0	2.7	8.0	4.2	.0	3.4	4.2
VAR	•0	•0	. 0	.0	.0	.0		.0	.0	•0	.0	.0	.0		.0	.0	•0
CALM	13.0							13.0	.0	7.0	14.3	11.9	11.8	15.8	.0	14.0	14.6
TOT DBS	321	595	46	1	0	0	983		5.3	142	7	201	144	177	5	176	131
TOT PCT	32.7	40.5	6.7	. 1	.0	.0		100.0		100.0	100.0	100.0		100.0	100.0	100.0	

TABLE 3A

WND DIR	0-8	WIND 7-16	\$PEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	HQUI 06 09	(GHT) 12 15	18 21
N	3.8	. • •	.0	•0	.0		4.6	4.5	2.3	4.9	7.3	3.7
NE	4.5	1.7	•0	.0	.0		6.2	5.3	4.7	4.7	1,4	7.4
E	7.4	4.2	.2	•0	.0		11.8	4.Z	7.9	7,9	14.8	12.9
58	13.3	10.8	.2	.0	.0		24.2	6.6	30.4	21.7	23.2	24.4
\$	12.1	7.4	. 2	.0	.0		19.7	6.3	20.5	24.4	12.1	18.5
Sw	6.9	3.7	, 2	.0	.0		10.8	6.2	14.8	11.7	6. i	9.4
Ū"	3.4	1.4	.3	iŏ	.0		5,4	6.4	7,6	5,8	4.7	4.3
NW	3.5			.0			4.3	4.9	4.5	4.6	4.i	3.7
VAR												
	0	٠0	•0	•0	•0		0	٠.٥	_•0	0	.0	•0
CALM	13.0						13.0	.0	7.4	11.9	15.4	15.6
TOT ORS	667	307	9	0	0	783		5.3	149	345	182	307
TOT SET	47.0	31.2	. •		- 0		100.6		100.0	100.0		

TARLE 4

APEA 0005 BANGKA ISLAND NORTHWEST .65 105.0E

### PERCENTAGE PREQUENCY OF WIND SPEED BY MOUP (SMT)

<b>⊬</b> BtIR	CALH	1-3	4-10		SPEED (		48+	HEAN	PCT PREQ	TOTA OBS
00203	7.4	18.1	66.4	8.1	.2	.0	.0	5.7	100.0	149
06609	11.9	22.0	58.6	7.5	.0	.0	.0		100.0	345
12615	15.4	17.6	61.5	5.5	.0	.0	.0		100.0	182
18621	15.6	18.9	59.3	5.9	. 3	. č	. 0		100.0	307
TuT	128	193	595	66	1	ō	ō	5.3	••••	983
PCT	13.0	19.6	69.5	6.7	. i	.č	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)		1					CEILIN NH <5/					
WND JIR	0-2	3-4	5-7	8 & mascn	TOTAL CBS	CLUJD CDVER	000 149	15^ 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	<b>8000</b> +	NH €5/8 ANY HGT	
N	2.3	.0	. 5	•0		2.0	•0	•0	.0	. 5			.0	•0	•0	.0	2.3	
NE	2.3	.5	.0	1.8		4.2	•0	• 0	.0	. 9	. 9	. 0	.0	•0	.0	.0	2.7	
E	3.8	2.7	5.6	.9		4.2	•0	• 0	.0	.0	1.6	1.6	.0	•0	•0	.0	9.9	
32	5.4	9.5	15.8	1.8		4,5	•0	• 0	. 9	1.8	. 2	1.1	2.0	• 0	•0	.0	26.4	
S	2.9	.9	7.2	.7		4.9	•0	• 0	. 5	. c	. 9	1.6	1.4	•0	•0	.0	7.9	
SH	. 5	2.7	6.8	2.0		5.6	•0	.0	.0	• 0	3.2	2.3	. 2	.0	• 0		6.3	
Ħ	• 6	. 9	6.1	1.6		5.7	•0	. 0	.0	.0	2.9	.7	.0	.0	•0	•0	5.9	
NW	.0	1.8	1.4	1 1		5,4	•0		.0	1.4		. 0	ě	•0	.0		1.8	
VAR	.0	.0	.0	• 0		.0	•0	.0	. 0	• 0	.0	•0	.0	•0	•0	.0	•0	
CALM	1.8	4.5	3.6	• 0		4.2	•0	• 2	Ö	.0	.0	.9	.0	•0	.0	.0	9.0	
TOT GBS	22	25	52	ii	111	4.7	ŏ	Ťó.	ĭ	Ť	ii	é	و ٠	.0	ň	ň	80	111
TOT PCT	19.8	23.4	46.8	9.9	100.0	•	•0	•0	, 9	4.5	9.9	8.1	4.5	•ŏ	•ŏ		72.1	100.0

TARLE 7

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	• GR	• CA	= OR	■ FR	- CR	• CR	- CR	- GR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	.0	.0	.0	.0	•0	.0	•0	.0
<ul> <li>□R &gt;5000</li> </ul>	.0	.0	.0	.0	.0	.0	.0	.0
■ NR >3500	1.7	3.5	4.3	4.3	4.3	4.3	4.3	4.3
■ DR >2000	7.8	9.0	12.2	12.2	12.2	12.2	12.2	12.2
<ul> <li>OR &gt;1000</li> </ul>	17.4	20.0	22.6	22.6	72.6	27.6	22.6	22.6
= OR >600	21.7	24.3	27.0	27.0	27.0	27.0	27.0	27.0
<ul> <li>DR &gt;300</li> </ul>	22.6	25.2	27.8	27.8	27.8	27.8	27.8	27.8
■ PR >150	22.6	25.2	27.8	27.8	27.8	27.8	27.8	27.8
• DR > 0	22.6	25.2	27.8	27.8	27.6	27.8	27.8	27.8
TOTAL	26	29	32	32	32	32	32	32

TOTAL NUMBER OF DBS1 115

(

PCT FREQ NH <5/81 72.2

## TABLE 7A

## PERCENTAGE PREQ OF COM CLOUDS (EIGHTHS)

9	1	2	3	4	5	6	7	<b>e</b> 0	BSCD	TOTAL
2.3	20.0	22.8	14.4	10.0	0.9	7.7	7.7			

AREA 0905 BANGKA ISLAND NORTHWEST .65 105.0E

		P	ENCENT			D DIRE						CURRENC TY	E OF
VSBY (NH)			NE	ě	SE	S	Sw	₩	44	VAR	CALM	PCT	TOTAL
	PCP	.0	. c	.0	.0	• 0	.0	.0	.0	• 2	. 6	.0	
<1/2	NO PCP		. 5	.0	.0	•0	• •	٠,	.0	۰,	.0	.0	
	TOT %	.0	.0	•0	.0	•0	•0	• 0	•0	•0	•0	.c	
	PCP	.0	.0	.0	.0	•0	•0	.0	٠,	٠,	.0	.0	
1/2<1		.0	. >	.0	•0	•0	.0	.0	.0	.0	• 0	.0	
	TOT \$	.c	.c	.0	•0	•0	• ^	.0	• 0	.0	•0	•0	
	PCP	.c	٠,	.0	.0	•0	• •	.0	.c	.0	.0		
1<2	NO PCP	.0	.0	.0	•0	•0	• 0	.0	•0	•0	•0	٠.	
	TOT %	•0	.0	.0	.0	•0	• 0	•0	۰.	.0	.0	٠.	
	PCP	.0	٠.	.2	.4	•0	.0	.0	.0	.0	•0	. e	
2<3	NO PCP	.0	.0	.6	. 2	• 3	, •	.0	.0	.0	. 4	2.4	
	101 %	.0	•5	.8	.6	• 3	. 9	•0	•0	•0	• •	3.2	
	PCP	.4	. 3	.8	.2	•6	. 2	. 2	.4	.c	.0	3.é	
5<10	NO PCP	1.2	2.6	3,5	8.5	4.0	1.8	1.8	1.0	.0	3.2		
	TOT \$	1.6	3.4	4.3	8.7	4.6	2.0	2.0	1.4	•0	3.2	31.3	
	PCP	.c	.4	.4	.4	• 2	.7	.4	.4	.0	. 0		
10+	NO PCP	2.5	2.9	8.1	20.8	8.9	5.2	5.0	2.7	.0	6.0		
	TOT %	2.5	3.3	8.5	21.2	9.1	5.4	6.2	3.1	•0	6.0	65.5	
	TOT DBS												249
	TOT PCT	4.1	6.9	13.7	30.5	14.1	8.3	8,2	4.5	.0	9.5	100.0	

PABLE 9

				PERCEN	T FREQ	OF WI	NA DIR VAČUE	ECTION S JF V	VS HII Isibil	ND SPE	EO		
VSBY	SPD KTS	N	ME	E	SE	s	SW	*	NH	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
-	11-21	.0	.0	.0	.0	.0	.0	•0	.0	.0		٠,	
	22+	.0	.0	• 0	• • •	.0	.0	٠,	• 0	.0		,0	
	TOT %	•0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	
1/3<1	4-10	.0	.0	•0	•0	.0	.0	•0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.0	.0	•0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•0	•0	.0	.0	.0	.0	.0	•0	.0	
	0-3	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	•0	.0	.0		• 0	
	11-21	.0	.0	.0	•0	•0	.0	•0	0	.0		.0	
	22+	.0	•0	•0	.0	.0	.0	•0	.0	.0	_	.0	
	TOT \$	•0	•0	•0	•0	.0	•0	•0	.0	.0	•0	.0	
	0-3	.0	.1	.1	•0	.2	. 2	.0	.0	.0	.2		
245	4-10	٠0	•0	• 2	• 2	• 1	.2	•0	.0	.0			
	11-21	.0	.0	. 1	.1	.0	•0	•0	.0	.0		. 2	
	22+	.0	.0	.0	• 0	•0	.0	.0	•0	.0		.0	
	TOT \$	.0	•1	• •	.3	.3	.4	•0	۰.	.0	• 5	1.7	
	0-3	.2	.2	. 3	.1		.3	.4	. 3	.0	1.5	4.0	
5<10		.7	1.3	1.5	4.0	1.9	.9	.5	. 3	.0		11.0	
	11-21	.0	.1	• •	. 3	.0	.0	٠2	. 2	•0		1.1	
	27*	.0	.0	. 1	. 1	.,0	0	0	.0	.0		2	
	TOF %	.9	1.6	2.2	4.5	2.6	1.1	1.0	. 8	.0	1.5	16.3	
	0-3	1.6	. 9	2,5	3.7	2.7	2.4	1.2	1.2	.0	9.8	26.1	
10+	4-10	1.7	1.6	3.2	19.1	12.9	6.0	2.8	1.7	.0		50.9	
	11-21	.0	.2	. 5	1.6	1.4	1.0	.2	.3	•0		5.1	
	22+	0	.0	.0		0	.0	.0	0	.0		0	
	TOT %	3.3	2.7	8.1	24.3	17.0	9.4	4.3	3.3	.0	9.8	82.0	
	TOT DBS									_			529
	79T PCT	4.1	4.4	10.7	29.1	19.9	10.9	5.3	4.3	.0	11.5	100.0	

444

PERIOD: (PRIMARY) 19,7-1972 (DYER-ALL) 185 -1972

TARLE 10

AREA 0005 BANGKA ISLAND NORTHWEST

PERCENT	FREQUENCY D	F COICI	46 HEIGHT	S (FEET, NH	>4/61	CPA
	OCCURR	ENCE OF	114 <5/8	BY HOUR		

HOUR (GHT)	000 149	190	300 599						6500 7999		TOTAL	NH <5/8 ANY HGT	
60300	.0	.0	.0	7.4	14.8	7,4	7.4	.0	.0	•0	37.0	63.0	27
90380	.0	.0	.0	6.5	12.9	12.9	.0	.0	.0	•0	32.3	67.7	31
12615	.0	.0	.0	.0	6.1	6.1	3.0	•0	.0	•0	15.2	84.8	33
18621	.0	.0	3.0	3.0	6.1	3,0	6-1	•0	٠.	•0	21.2	78.6	33
TOT PCT	.0	.0	.6	5 4.0	12 9.7	7,3	4.0	.o	.0	•0	32 25.8	92 74,2	124 100.0

TABLE 11

TABLE 12

											INDLE	14		
		PERCENT	FREQUE	CY VSBY	(14)	BY HOUR		CUMULAT					VSRY (NH) )#BY HOUR	
HOUR (GMT)	<1/2	1/2<1	162	2<5	5<10	10+	TGTAL OBS	HEUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL ORS
60200	.0	.0	•0	•0	21,4	78.6	98	60803	•0	•0	8.0	32.0	60.0	25
90360	.6	.0	•0	2.3	17.4	79.7	172	90360	.c	•0	10.3	24.1	65.5	29
12615	•0	.0	.0	2.5	16.1	81.4	118	12615	•0	•0	6.5	12.9	80.6	31
18621	.5	.0	.0	1.1	20.9	77.5	182	18621	•0	3.3	10.0	13.3	76.7	30
TOT PCT	, <b>2</b>	.0	.0	1.6	108	451 79.1	570 100.0	707 PCT	.0	.9	10 8.7	23	82 71.3	115

TARLE 13

TABLE 14

	PERCI	ENT FRI	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIÓ	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		PREG	n	NE	E	SE	\$	3 M	W	NW	VAR	CALM
90/94	.0	.0	•0					•0	2	1.0	•0	.0	.5		.0	. 5	.0	٠,	.0	.0
45/89 40/84	.0	.0	.0						156	21.0 74.3	2.9	1.1	11.0	10.1	9.9	6.4	7.1	4,4	•0	2.4 5.7
75/79 TOTAL	.0	.0	•0	•0		.0 70	1.9	1.9 29	210	3.6	•0	.0		.2	1.3	.7	.2	.5	•0	.0
PCT	, o	.0	٠.٥	•0	3.3		49.5		•••	••••	4.4	6.5	14.0	31.8	13.8	8.1	7.9	5.4	•0	8.1

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCE	ITTLES	OP 75	HP (DE	G F) (	Y HOUR		PERC	ENT FRE	Y2F3U0	OF RELA	TIVE HI	PTIDIPL	BY HOUR	ι
HOUR (GHT)	MAX	998	95%	50%	54	18	HIH	MEAN	TOTAL OBS	HUUR (GMT)	0-29	30-59	60-69	70-79	80 <b>~89</b>	90-100	MEAN	TOTAL
00203	92	88 91	86	82	78 80	77 77	73 75	82.4	154 342	E0300	.0	•0	4.2 7.2	22.9	52.1 42.0	20.8	84 79	48
12615	87	86	85	83	80	78 78	78 78	83.1	181 313	12615 18621	.0	.0	2.6	34.0	49.1 55.4	17.0	82	53
TOT	95	ii	67	13	80	78	73	63.1	990	707	·ŏ	•		74	123	39	82	247

PAGE 344

**(** 

PERIOD: (PRIMARY) 1912-1972 (CVER-4LI) 1857-1972

TABLE 17

AREA JOOS BANGKA ISLAND NORTHWEST

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR+SES	77	81	85	2.	TOT	ď	WO
THP DIF	60	84	88	92		F7G	FOG
7/8	.0	, 5	.0	. 5	2	.0	.9
5	.0	.5	٠,	. 9	3	.0	1.4
	.0	.9	.0	9	4	. 5	1.4
i	.0	•0	1.8	, c	•	. 0	1.8
5		1.4	3.6	ō	11		5.0
7		4.5	5.0	.0	21	. 9	8,^
4 3 2 1 0	.č	8.6	5.9	ò	32	. 9	13.0
-i		10.9	1.6	٥	28		12.7
_;		18.2	1.4	ō	43	.^	19.5
-2 -3 -4	1.9	9.1	2.3	.0	29		13.2
	.,	5.9	.5	ŏ	16		7.3
-5	1.8	4.1	.0	ň	13		5.9
-6	1.4	.5	.0	Ö	- 5	.0	2,3
-7/-8	3.2	, 5		.0	á		3.6
-9/-10	3.5	.0	.0	, č	ĭ	.ŏ	.5
		•0	÷ĕ	• (-		Š	
TUTAL	22		47	_		,	215
		144		5	220		
PCT	10.0	45.5	22.3	2.3	100.0	2.3	97.7

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				PC	T FREO D	F WIND	SPEED	(KTS) AND	DIPE	TION V	ERSUS S	EA HEIG	HTS (FT)		
=				N						4-10		NE	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3		11-21	22-33	.0	0	•0
<1	0	0	.0	.0	.0	.0			.0	.0		.0	•0	.0	.5
1-2 3-4	1.4	1.9	•0	•0	•0		3.2		.0	ě	.0	.0	.0	.0	.0
5-6	٥.	۰.	•0	.0	.o .c	•0	.c		·c	ő	.0	.0	.0	.0	.0
7	.0	.0	•0	.0	.0	.0	٥		č	.c	.0	.0	ě	.0	.0
8-9	.5	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.ŏ	.ö
10-11	.ŏ	.0	.0	.0	.0	.0			ň		.0	.0	.0	ŏ	ĕ
12	.ŏ	.0	•0	.0	.0	.0	.0		ň	.5	.0	.0	•0	.ŏ	•0
13-16	.0		.0	.0		.0	ě				٠	.0	.0	ě	.0
17-19	.6	.ŏ	.0	.0	.ŏ	.0	.ŏ		.0		.0		•0	.0	.0
20-22	ŏ		.0	.0	ů	.ŏ	.0		۰٥	š			iŏ	.ŏ	.0
23-25	.0		.0		.0	.0	ŏ		.0					ŏ	.0
26-32	.0	.ŏ	.0	.0	ő	.0	ŏ		ŏ	.0	ŏ		•0		.ŏ
33-40	ŏ	.ŏ	.0	.ŏ	.0	.0	ñ		,0	,0	.0		.0	.ŏ	ŏ
41-48	.ŏ	.0	.0	.0	ě	·ŏ	ä		ō	, o	.ŏ		ŏ	.0	Ö
49-60	ŏ	.ŏ	.0	.ŏ	ŏ	.0	ŏ		.0	ō	.0	.0	•0	.0	ŏ
61-70	.0	.0	•0		.0	.0			ŏ	.0	.0		ŏ	:0	.0
71-86	ŏ	.č	.0		ŏ	.0	. 0		. 0	. 0			.0	.0	.0
87+	ŏ		.0	.0	.0	.0	ŏ		.0	.0			.0		.0
TOT PCT	1.4	1.9	.0	.0	.c	.0	3.2		. 5	•0	.0	.0	•0	•0	.5
												SE			
HGT	1-3	4-10	11-21	€ 2?-33	34-47	48+	•CT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	•0	.0	.0	.0	.0		.0	6.0	.0	.0	•0	.0	6.0
1-2	.0	3.2	3.2	.0	.0	.0	6.5		.0	13.9	2.8	.0	•0	•0	16.7
3-4	.0	1.9	1.4	.0	.0	.0	3.2		.0	9,3	6.0	.0	•0	.0	15.3
5-6	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	•0
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	•0	.0		• 0	•0	.0	.0	•0	.0	•0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	•0
12	.0	.0	•0	.0	•0	•0	•0		•0	•0	.0	•0	•0	•0	•0
13-16	•0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	•0
17-19	.0	.0	•0	.0	•0	•0	.0		.0	•0	.0	•0	•0	.0	•0
20-22	•0	.0	.0	.0	.0	.0	•0		.c	•0	.0	•0	•0	•0	.0
23-25	•0	•0	•0	•0	• 0	.0	•0		.0	.0	•0	•0	•0	•0	•0
26-32	•0	.0	•0	.0	.0	•0	.0		•0	•0	•0	•0	•0	:0	•0
33-40	.0	.0	•0	.0	.0	•0	.0		.0	•0	•0	٠.	•0	•0	•0
41-48	•0	.0	.0	.0	.0	•0	.0		•0	•0	•0	•0	•0	.0	•0
49-60	.0	.0	•0		•0	.0	.0		.0	.0	•0	•0	•0	.0	•0
61-70	.0	.0	.0	.0	•0	.0	.0		•0	•0	•0	•0	•0	•0	•0
71-86	•0	.0	•0		.0	.0	.0		•0	• 0	.0	٠,	•0	•0	.0
87+	.0	.0	.0		.0	•0	.0		•0	0	.0	•0	•0	•0	••0
TOT PCT	.0	5.1	4.6	.0	.0	.0	9.7		.0	29.2	8.8	•0	•0	.0	38.0

		MAY	
PERIOD: (OVER-ALL)	1963-1972	AREA 0005	BANGKA ISLAND NORTHWEST
		TABLE 18 (CONT)	.65 105.0E

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				PC	T FREO	OF WIND	SPEED	(KTS) AND DIR	RECTION	VERSUS S	EA HEIG	HTS (FT)			
				s			26-		4-10		SW	24-43	4.		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT	
<1	•0	5.1	.0	.0	•0	٠,	5.1	1.9		••	.0	•0	٠.0	1.9	
1-2	•0	5.1	3.2	• 0	•0	•0	8.3	•0		•0	•0	•0	•0	6.5	
3-4	.0	.0	•0	•0	٠ ل	•0	•0	.0 .0		•0	.0	•0	.0	•0	
5-6 7	.0	.0	•0	.0	٥.	.0	.0	.0		.0	•0	•0	.0	•0	
8-9	.0	.0	•0	.0	.0	.0	.0	ŏ		.5	•0	•0	.5	.0	
10-11	.ŏ		.0	.0	.ŏ		Č	.0		.0	.0	.0	ŏ	.5	
12	.0		.0		٥.	.č	, c	č		.0	.0	•0	.0	.0	
13-16		.6	ŏ	.ŏ			ŏ			.0	.0	.0			
17-19	.0		.0	.ŏ	.ŏ		.0	• 0				.0			
20-22	.0	•0	•0	•0	.0	.0	.0	.0		.0	.0	•0	.0	.0	
23-25	·õ	.0	.0	.0	, 0	,0	.0	.0		.0	.6	•0	.0		
26-32	. 0	.0	•0	.0	.0	•0	.0	.0		.0	•0	•0	.0	.0	
33-40	.0	.6	.0	.0	.0	.0	, c	.0		.0	.0	• 6	.0	, e	
41-48	.0	.0	.0	.0	٥.	.0	.0	.0		.0	.0	.0	.0	.0	
49-60	. 0	.0	.0	.0	.c	.0	, c	,0		.0	۰٥	• 6	.0	.0	
61-70	.0	.0	• 0	.0	۰0	•0	.0	.0	0	.0	•0	•0	.0	.0	
71-06	.0	.0	.0	-0	.0	•0	•0	.0		•0	•0	•0	.0	.0	
87+	.0	.0	•0	•0	.0	.0	•0	•0		.0	•0	•0	.0	.0	
TOT PCT	.0	10.2	3.2	.0	• 0	.0	13.4	1.*	6.5	.0	•0	• 0	•0	8.3	
											Nø				TOTAL
HGT	1-3	4-10	11-21	<b>"22-33</b>	34-67	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1 ·	3,7	1.9	.0	.0	.0		5.6			.0	.0	.0	.0		-61
1-2	.0	4.6	•0	.0	.0	.0	4,6	•0		.0	.0	•0	.0	.0	
3-4	ŏ	7.0	ŏ		.0	.ŏ	ŏ			.3	.ŏ	ě	ŏ	č	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	•0	, ò	.0	
8-9	.0	.0	.0	.0	.0	.0	.c	.0		. 0	•0	•0	.0	.0	
10-11	. 5	.0	.0	.0	.0	•0	.0			.0	.0	•0	ō	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	• 0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			٠.	•0	•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	•0	.0	.0	
23-25	.0	.0	•0	.0	.0	•0	.0			.0	.0	•0	.0	.0	
26-32	.0	.0	•0	٠0	.0	•0	.0				•0	•0	•0	.0	
33-40	.0	.0	.0	.0	.0	.0	•0			•0	• 0	•0	•0	.0	
41-48	•0	•0	•0	.0	• 6	•0	.0				•0	•0	.0	•0	
49-60	.0	•0	•0	•0	•0	•0	.0			•0	•0	•0	.0	.0	
61-70	• 0	.0	•0	•0	•0	•0	•0				•0	•0	•0	•0	
71-86	.0	.0	.0	.0	۰,٥	.0	.0				• 0	• 5	.0	.0	
87+	.0	.0	•0	•0	.0	•0	• 0				•0	•0	•0	.0	<b>-</b>
TOT PET	3.7	6.5	•0	•0	.0	•0	10.2	•0	٥, د	.0	-0	•0	•0	• C	83.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-51	22-33	34-47	48+	PCT	101
<1	22.2	13.0	.c	.0	.0	.0	35.2	ORS
1-2	1.9	35.2	9.3	.0	.0	.0	46.3	
3-4	.0	11.1	7.4	. 0	.0	.0	18.5	
5-6	.0	.0	.0	.0	•0	.0	.0	
7	.0	. 0	.0	.0	.0	.0	.0	
8-9	. ŏ	.0	.0		.0	.0	.0	
10-11	.0	.0	.0	. 5	.0	.0	.0	
15	.0	.0	.0		.0	. 5	.0	
13-16	.0	.0	.0	. 0	.0	.0	.0	
17-19	.0	.0	•0	.0	.0	.0	.0	
20-22	·ŏ	•0	.0	.0	.0	.0	·ŏ	
23-25	.0	.0	.0	Š	.5	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	•0	.0	.0	.0	.0	.0	
41-48		.0	.0	.0	•0	ő.		
49-60	.ŏ	ŏ	.0	.ŏ	.0	.0		
61-70	.0	.0	.0	.0	.0	.0		
71-60				.0		.5		
874	.ŏ	.ŏ	.0	.0	.ŏ	:0	.ŏ	
•	••	••	• •	••	••	••	••	54
TOT DET	24.1	40.2	16.7	- 0	-0	. 0	100.0	

FERIOD: (OVER-ALL) 1949-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	23.0	37.0	15.0	1.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	76	2
6-7	.0	1.0	1.0	1.0	.0	.0	.0	.ò	.0	.0	.0	. 0	.0	.õ	. 0	. io	ĬÒ	ã	.ō	3	3
8-9	.0	•0	1.0	.0	.0	.0	•0	.0	. 0	ō.	:0	.0	. 0	.ŏ	.0	.0	.0	. ō	Ĭ	i	3
10-11	•0	•0	.0	.0	.0	.0	• 0	.0	.0	.0	:0	.0	.0	• 0	.0	.0	.o	.ŏ	.0	ō	
12-13	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ò	
>13	•0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	ò	
INDET	18.0	2.0	.0	.0	.0	.0	•0	.0	.0	.0	:0	.0	.0	•0	.0	.0	.0		. 0	20	e
TOTAL	41	40	17	2	0	0	Ö	ō	Ó	0	0	0	ō	0	0	Ö	n	ŏ	3	100	i
PCT	41.0	40-0	17.0	2.0			- ^		- 0			• • •			.0	٠.٨	. ń		٠ň	100.0	-

AREA 0000 BANGKA ISLAND NORTHWEST

TAGLE 1

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			ρ	RECIPI	TATIO	Y TYPE					STHER	HEATHER	PHEND	AENA	
HND DIR	RAIN	RAIN	DRTL	≠RZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	FOG HO PCPN	FOG WU PCPN PAST HR	SHOKE	SPRAY BLWG DU BLWG SN	ST SIG
N	12.5	25.0	.0	.0	.0	.0	.0	37.5	.0	.0	12.5	.0	.0	. 2	
NE	17.6	٠.	٥.	.0	.0	.0	.0	17.6	11.8	11.8	11.0	.0	• 0	• 2	
Ε	5.8	.0	.0	.0	.0	.0	.0	5.8	•0	13.1	2.4	•0	• 0	• 0	
ŠE	.7	1.0	.0	.9	.0	.0	.0	1.7	.5	1.9	2.7	•0	.0	•0	93.2
S	1.2	1.7	.0	.0	.0	.0	.0	2.9	2.6	2.0	6.4	.0	.0	. 0	80.0
Š₩	.0	8.2	.0	.0	.0	.0	.0	8.2	.0	.0	4.1	,0	.0	. 0	67.6
W	40.0	.0	.0	.0	•0	.0	.0	40.0	.c	.0	.0	.0	.0		60.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	. ა	.0		100.0
VAR	.č	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0		.0
CALP	10.0	.0	. 0	.0	.0	.0	.c	10.0	.0	,0	.0	,0	.0	• 6	
TOT PCT	3.0	1.8	.0	.0	•0	.0	.0	4.8	1.2	3.0	3.9	•0	.0	•0	87.3

TABLE 2

### PERCENT FREQUENCY OF AFATHER OCCURRENCE BY HOUR

			•	RECIPI	CITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
HCUP (GMT)	RAIN	RAIN Shwi	OR7L	FRZG PCPN	5NO¥	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUP	THOR LING	FOG HO PCPN	FOG WO PCPN PAST HR		SPRAY ALWG OUST BLWG SNOW	
00603 06609 12615 18621	1.6 7.3 2.5 1.0	1.6 4.6 1.3 2.1	.0	.0	.0	.0	.0	3.1 11.9 3.8 3.1	1.6 .9 1.5 1.0	2.5 8.2	4.7 3.7 3.8 5.2	.0	•0	.0	90.0 82.6 90.0 82.5
TOT PCT	3.4	2.6	.0	.0	.0	.0	٠.	6.0	1.1	3,1	4.3	.0	•0	•0	85.7

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WMD DIR	0=3			22-33		48+	TOTAL DBS	PFT FAFO	MEAN SPD	00	03	06	40 <b>U</b> 9	(GMT) 12	15	18	21
N	.7	.7	.0	.0	•0	.0		1.4	3. 2	.7	•0	.5	2.5	2.7	5.6	1.0	1.1
NE	: 6	1.7	•		ŏ			2.5	4.6	1.1		2.4	4.0	1.6	11.1	2.2	3.6
F	1.7	8-4		.ŏ				10.9	6.2	10.6	•0	5.8	8.9	.2.8	11.1	15.4	13.8
ŠE	3.8	27.0	5.5	.0	.0	.5		37.3	7.5	39.9	53.1	39.4	35.3		38.9	37.4	31.0
Š	4.6	19.7	3.6	.0	40	•0		27.8	6.7	27.0			30.4		16.7	23.9	28.8
Š¥	.7	5.8	1.1	.0	.0	•0		7.6	7.2	8.7	.0		7.0	8.3	.0	0.3	7.2
W	. 5	1.9	.6	.0	.0	.0		3,1	7.5	2.8	•0	5,6	4.0	2.4	.0	1.0	2.2
Nie	1.4	1.0	.0	•0	•0	•0		2.4	3.7	4.3	•0	2.2	.7	2.1	5.6	1.9	3.6
VAP	• 0	.0	.0	.0	•0	.0		.0	.0	•0	•0	.0	•0	•0	.0	.0	, 5
CALP	7.0							7.C	:0	5.0	• 0	5.8	6.5	7.7	11.1	8.9	8.7
TOT DBS	205	640	121	0	٥	0	960		6.4	141	8	207	138	168	9	157	138
TOT PCT	21.2	66.3	12.5	.0	•0	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TARLE 3A

NAD DIE	0-6	WINJ 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDU* 06 09	(GMT) 12 15	18 21
N	1.3	.1	.0	.0	.0		1.4	3.5	.7	1.3	2.8	1.0
NE	2.2	.3	.0	.0	٠.		2.5	4.6	1.0	3.0	2.1	2.9
€ _	7.0	3.9	.0	.0	.0		10.9	6.2	10.1	7.0	12.7	14.7
\$E	18.1	18.9	, 3	.0	.0		37.3	7.5	40.6	37.8	38.3	34.4
\$	16.0	11.5	. 3	.0	.0		27.6	6.7	26.0	31.3	23.7	26.2
Św	4.3	3.0	. 3	.0	.0		7.6	7.2	8.2	7.0	7.9	7.8
W	1.3	1.4	. 1	.0	.0		3.1	7.5	2.7	4.9	2.3	1.5
NW	žiž	. 3	ō	.0	.0		2.4	3.7	4.0	1.6	2.3	2.7
VAR	0		. 0	.0	.0		.0	.0	.0	.0	.0	•0
CALH	7.0	•••	,,,				7.0		4.7	6.1	7.9	8.8
TOT ORS	576	281	9	0	0	966		4:0	149	345	177	295
TOT BET	59.6	19.4		, ŏ	•0		100.0		100.0	160.0	100.0	100.0

- 1	 u	£

PERIODI	(PRIMARY)	1912-1972
	IONER-ALLS	1849-1072

TARLE 4

AREA 0005 BANGKA ISLAND NORTHWEST .65 105.0E

PERCENTAGE	ERECUENCY	n#	WIND	SPEED	81	HUUS	CONT

HOUR	CALH	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.7	14.8	66.4	14.1	.0	.0	.0	6.6	100.0	149
90360	6.1	14.8	66.1	13.0	.0	iò	.0	6.5	100.0	345
12615	7.9	13.0	67.8	11.3	.0	.0	.0	6.2	100.0	177
18621	8.8	13.9	65.4	11.9	.0	.0	.0		100.0	295
TOT	48	137	640	121	Ö	ŏ	Ö	6.4		966
PCT	7.0	14.2	66.3	12.5	.0	60	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS) MEAN			PERCEN	TAGE F	REQUEN	CY OF	CEILIN	16 HEIG	HTS (	TANK :	14/8) ]4	
WND DIR	0-2	3-4	5-7	8 & 03860	TOTAL OBS	COVER	000 149	150 299	300 599	999	1000 1999	2006 3499	3500 4999	\$000 6499	6500 79 <del>99</del>	8000+	NH <5/8 ANY HGT	
N	.0	.0	.6	.0		.0	•0	.0	.0	.0	.0	•0	.0	•0	.0	.0	•0	
NE	.0	.0	.0	.9		.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.0	. 9	
E	2.7	4.5	2.7	•0		3,4	•0	• 0	.0	•0	.0	.0	.0	. 5	.0	. 5	9.5	
SE	7.9	14.4	17.8	2.9		4.4	•0	• 0	.0	2.7	2.9	2.0	1.1	.5	• 0	. 2	33.6	
S	4.7	8.1	9.7	5.2		5.0	•0	•0	.0	.0	.7	1.6	1.1	• 0	•0	.7	23.6	
SW	2.7	1.8	3.0	•0		4.4	•0	• 0	.0	.0	. 9	.0	1.4	• 0	٥٠	.0	7.2	
¥	.0	. 9	. 5	1.8		6.7	.0	.0	. 0	.9	. 9	.5		.0	.0	.0	. 9	
NW	.0	.0	1.4	.0		6.3	•0	.0	.0	.0	.0	.5	.0	.0	•0	.0	, 9	
VAR	.0	.0	.0	• 0		.0	•0	.0	ĬŌ	.0	.0	.0	Ö			ě	ó	
CALM	.9	9	. 9	1.8		5.2	+0	.0	.0	.0	2.7	.0	.0	• 0	.0	.0	1.8	
TOT USS	21	-4	42	14	111	4.6	ŏ	'n	ŤÕ	- 4	•	٠,	74	ĩ	**	ň	87	111
TOT PCT	18.9	30.6	37.8	12.6	100.0		•0	•0	.0	3.6	8.1	4.5	3.6	. 9	•ŏ	. 9	78.4	100.0

TABLE 7

CUMULATIVE	PCT FREQ	OF SIMULTANEOU	S OCCURRENCE
OF CEILI	NG HEIGHT	CHA 1814 AND	VSBY (NH)

				VSBY (NE	13			
CEILING	• DR	- DR	. OR	• ГХ	• DR	• CR	■ OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ DR >6500	.9	1.6	1.8	1.6	1.8	1.8	1.8	1.8
• DR >5000	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6
■ DR >3500	5.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1
■ DR >2000	10.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4
■ DR >1000	16.7	18.4	19.3	19.3	19.3	19.3	19.3	19.3
■ DR >600	20.2	21.9	22.8	22.8	22.8	22.8	22.8	22.0
- DR >300	20.2	21.9	22.8	22.0	22.8	22.8	22.8	22.8
■ DR >150	20.2	21.9	22.8	22.8	22.0	22.8	22.8	22.8
■ DR > 0	20.2	21.9	22.0	22.8	22.0	22.8	22.8	22.8
		::		::				

TOTAL NUMBER OF OBS: 114

C

(

PCT FREQ NH <5/8: 77.2

TABLE 74

## PERCENTAGE FRED OF COM CLOUDS (EIGHTHS)

0	1	2	3	•	•	•	7		BSCD	TOTAL OBS
								• .	_	

PERIOD:	(PRIMARY)	1912-1972
	(OVER-ALL)	1862-1972

TABLE 8

AREA 0005 BANGKA ISLAND NORTHWEST

332

						ION MI.		,,,,,	-,023	OF 413	101511	•	
VSBY (NM)		N	NF	Ε	ŞE	\$	Sw	¥	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.0	. 3	•0	• 0	.0	.0	.0	.0	. 3	
	TOT \$	.0	.0	.0	.3	•0	•0	.0	.0	•0	•0	. 3	
	PCP	.0	.0	•0	•0	•0	- 0	.0	.0	.0	•0	.0	
1/2/1	NO PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
	TOT \$	.0	.0	•0	•0	•0	•0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	
1<2	NO PCP	.0	٠.	.0	٠0	•0	.0	.0	.0	.0	.0	.0	
	TOT &	•0	•0	•0	•0	•0	• 0	.0	.0	.0	.0	.0	
	PCP	.0	.0	•0	.0	•0	•0	. 3	.0	.0	•0	.3	
2<5	NO PCP	.0	.0	.0	.3	•0	•0	.0	•0	.0	•0	. 3	
	TOT %	.0	.0	.0	. 3	• 0	.0	. 3	.0	.0	. 0	. 6	
	PCP	.5	.5	.3	.8	•6	. 5	.6	•0	•0	• 3	3.9	
3<10	NO PCP	. 2	1.1	4.2	18.9	7.6	2.9	. 5	2.1	.0	.9	38.3	
	TOT %	. ė	1.5	4.5	19.7	8.2	3.3	1.1	2 - 1	•0	1.2	42.2	
	PCP	.0	.0	.3	.0	•2	. 2	.0	.0	.0	.0	.6	
10+	NO PCP	. 6	1.1	5.5	24.2	17.5	3.4	.,	.9	.0	1.8	56.3	
	TOT &	- 6	1.1	5.8	24.2	17.7	4.0		. 0		1.2	64 0	

TABLE 9

					MITH A	ARYING	VACUE.	S OF V	ISIBIL	Į T Y			
/SBY (NH)	SPD KTS	Ħ	NE	E	SE	\$	SW	at	NW	VAR	CALH	PCT	TOTAL OBS
	0-3	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.2	
<1/2	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0	• • •	.2	
	11-21	.0	.0	.0	.0	.0	. 0	.0	. 6	.č			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		ŏ	
	TOT %	.0	.0	•0	.3	.0	.0	.0	.0	.0	•0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	. 2	.0	.0	.0	.0	•••	ž	
	11-21	.0	.0	.0	.0	.0	.0	.0	. 0	.ŏ			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	.0	•0	.0	.2	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
1<2	4-10	.0	.0	•0	.0	•0	.0	.0	.0	.0	•••	.0	
	11-21	.0	.5	•0	.0	٠ö	.0	.0	.0			ià	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•0	•0	.0	.2	•0	.0	.0	.0	.0	ž	
	0-3	.0	.0	.0	.0	.0	٠.	.0	.0	.0	.2	.2	
2<5	4-10	• 0	-1	• 1	,2	.0	.2	.0	.0	.0		. 5	
	11-21	.0	•0	.0	.0	.0	٠.٥	. 2	.0	.0			
	22+	.0	.0	• 0	•0	.0	.0	.0	.0	.0		.0	
	TOT S	٠.	•1	• 1	• 2	.0	•2	. 2	•0	ò	.2	ï	
	0-3	.3	. 3			1.3	.1	.2	. 3	.0	.7	4.5	
5<10	4-10	•1	.5	1.6	6.6	2.9	1.9	. 3		.0		14.7	
	11-21	.0	•0	• 1	4.0	.7	•2	•1	.0	.0		5.0	
	22+	.0	•0	•0	.0	.0	٠.	.0	.0	.0		.0	
	TOT \$	. 3	. 8	2.5	11	4.8	2.2	.6	1.2	.0	.7	24.2	
	0-3	.6	.6	1.4	3.1	3.4	.1	.2	.7	.0	4.5	15.2	
10+	4-10	.3	.6	5.8	22.5	15.0	4.6	1.3	.4	.0		50.6	
	11-21	٠.	.0	• •	3.8	3.1	. 6	٠2	.0	.0		8,5	
	22+	•0	•0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.,	1.2	5.1	29.4	21.5	6.0	1.7	1.1	.0	4.5	74,3	
	TOT OBS	1.3	2.1	10.6	41.1	26.6	8.3	2.4	2.3	.0	5.3	100.0	599

AREA 0005 BANGKA ISLAND NORTHWEST

TABLE 10

PERCENT FREQUENCY OF CFICING HEIGHTS (FEET, NH >4/9) AND OCCURRENCE OF MN <5/0 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	350û 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	•0	•0	8.3	•0	٠.	•0	٠٥	•0	8.3	91.7	24
90360	.0	.0	•0	6.5	9.7	16.1	.0	.0	.0	•0	32.3	67.7	31
12615	.0	.0	.0	2.5	5.6	.0	5.6	•0	.0	2.8	16.7	83.3	36
18621	.0	.0	•0	3.8	7.7	3.8	7.7	3.6	•0	3.8	30.8	69.2	26
TOT	0	0	0	3.4	7 7	6	3.4	1	0	2	26	91 77.8	117

TABLE 11

TABLE 12

		PERCENT	FRFQLEN	CY V58Y	(104)	BY HOUR		CUMULAT					CHA) YBEV	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CRS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL DRS
00003	1.0	.0	.0	•0	25.2	73.8	103	002.03	••	•0	•0	8.3	91.7	24
93360	•0	.0	.5	2.0	27.3	70.4	198	PU36Ü	ů	.0	10.0	23.3	66.7	30
12615	.8	٠0	.0	•0	22.5	76.7	129	12615	.0	.0	2.9	14.3	82.9	35
18621	.0	.5	.c	.5	25.1	73.8	187	18821	.c	.0	4.0	28.0	68.0	25
TOT	2	1	1		156	452 73.3	617	101 201	C	0		21	77.2	114

TARLE 13

TABLE 14

						-														
	PERC	ENT FR	EOUENC	Y 0F #	ELATIV	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUEN	Y 0F W	140 011	RECTIO	4 8Y TI	HP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	\$	<b>S</b> W	Ħ	NH	VAR	CALM
90/94	.0	.0	.0	.0	. 8	.8	.0	.0	4	1.5	.0	.0	.4	. 8	.0	.4	.0	.0	.0	.0
85/89	.0	.0	. 0	.0	1.9	11.6	5.4	. 8	51	19.7	.0	.0	2.0	7.8	5.6	2.7	. 4	. 8	.0	. 4
80/84	.0	.0	.0	.0	1.5	23.6	39.0	9.7	191	73.7	.4	2.3	8.6	36.8	17.2	3.3	. \$	2.5	.0	1.9
75/79	.0	.0	.0	•0	.0	.4	2.7	1.9	13	5.0	.4	.0	. 2	1.0	1.2	.4	1.2	. 4	.0	.4
TOTAL	0	0	0	0	11	94	122	32	259	100.0							• • •			
PCT	.0	.0	•0	•0	4.2	36.3	47.1	12.4			.8	2.3	11.2	46.3	23.9	6.8	2.3	3.7	.0	2.7

TABLE 15

TABLE 16

	MEANS,	EXTREM	S AND	PERCEN	ITTLES	OF TE	4P (DE	G F) B	Y HDUR		PERC	ENT FRE	<b>ONENCA</b>	OF 95LA	TIVE H	UHIDITY	BY HOU	R
HOUR (GMT)	MAX	99\$	95%	50%	51	1 %	MIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAH	TOTAL
00003 06009 12615 18621 TOT	89 95 88 88	88 91 87 85 90	86 89 86 84 87	82 84 83 82 83	79 79 80 76 79	77 77 79 77	76 75 79 76 75	82.4 83.9 83.0 82.2	148 344 179 296 947	00£03 06£09 12£15 1\$£21 TOT	•0	•0	2.1 10.2 1.6	23.4 40.9 44.3 32.9	59.6 37.5 44.3 49.4 127	14.9 11.4 9.8 17.7	63 79 81 83	47 68 61 79 275

PERIOD: (PRIMARY) 1912-1972 (QVER-ALL) 1862-1972

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE GCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	FOS	#U FOG
9/10	.0	•0	.7	.0	. 0	2	•0	.7
7/8	.0	.0	. 3	1.0	1.0	7	•0	2.4
6	.0	.3	1.0	. 3	. 3	6	.0	2.0
5	.0	.0	.7	. 7	.3		•0	1.7
5	.0	.3	.7	1.4	.0	,		2.4
3	.0	.0	.0	2.4	•0	6 5 1 7	.3	2.0
3 2	.0	. 3	4.1	3.7	.0	24	•0	8.1
ī	.0	.0	5.4	2.0	.0	22	1.0	6.4
0	.0	.0	13.9	5,8	.0	58	.3	19.3
-1	.0	1.0		1.4	.0	41	.7	13,2
-2	.0	2.4	14.6	1.0	.0	53	1.0	16.9
-3	.0	.7	5.1	.7	.0	19	.7	5.8
-4	.0	2.4	3.7	. 3	.0	19	• 3	6.1
-5	.0	1.7		.0	• (	15	.0	5.1
-6	.0	. 3	7.7	Č	ò	3	•0	1.0
-7/-8	.0	1.0		.0	.6	6	•0	2.C
-9/-10	.3	•0		.0	.6	ĭ	·č	.3
TOTAL	ĭ		197	• •	5	•	13	282
	•	41	• • •	61	•	295	•-	•••
PCT	. 2	10.5	AA . B	20.7	1.7	100.0	4.4	4.80

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

				PĈ	T FRED (	DF WIND	SPEED	(KTS) AND DIRE	TION V	EREUS S	EA HEIG	HTS (FT	•	
_				N_							NE			
HGT	1-3	4-10	11-21	22-13	34-47	48+	PGT	1=3	4-10	11-21	22-33	34-47	48+	PCT
<b>&lt;</b> 1	.0	.0	•0	•0	•0	.0	•0	•0		•0	•0	•0	٠.0	• 0
1-2	•0	•0	•¢	.0	.0	٠,	•0	•0	1.9	.0	.0	•0	•0	1.9
3-4	-0	.0	•0	.0	2.	.0	•0	.0	•0	.0	.0	• 0	.0	•0
5-6	.0	.0	(3)	.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	•0
7	.0	.0	•0	.0	•0	.0	•0	•0	•0	.0	•0	•0	.0	• 0
8-9	•0	.0	•0	.0	.0	.0	•0	•0	•0	.0	•0	•0	.0	•0
10-11	•0	.0	•0	• 0	.0	•6	•0	•0	•0	•0	•0	•0	.0	•0
12 13-:6	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0
			•0	•0	.0	• • •	•0	•0		•0	•0	•0	.0	•0
17-19	•0	.0	•0	.0	.0	.0	•0	•0	•0	•0	• 0	•0	•0	•0
20-22 23 <b>-</b> 25	•0	.0	-0	.0	o.	.0	.0	•0	.0	••	٠,	•0	.0	•0
26-32	٥.	.0	+0	.0	.0	.0	•0	.0	.0	.0	•0	•0	•0	•0
33-40	ŏ	.0	•0	.0	.0	.0	•0	.0	.0	.0	• • • •	•0	•0	.0
41-48	ö	.0	.0	.0	, 0	.0		ě		.0	•0	•0	•0	.0
49-60	.0	.0	.0	• • • • • • • • • • • • • • • • • • • •	.0				ě		•0	•0	•0	•0
61-70	:0	.0	•0	.0	:0	.0	:0	.0	.0	•0	•0	•0	• 0	.0
71-86	.ŏ	.0	•0	.0		.0	.0	ě	ŏ	۰. د	• 5	•0	• 0	
\$7+	.0	.0	•0	.0	.0	íč		,0	ŏ	ě	•0	•0	•0	•0
TOT PCT	.0	.0	.0		.0		.0	.0	1,9	.0	.0	•0	١	1.9
101 761	.0	.0	•0	•6	•0	•0		,,	*(*	•0	.0	•0	• 10	1.7
				E							32			
HGT	1-3	4-10	11-21	22-33	54-47	48+	PCT	1-3	4-10	11-21	22-33	34~47	48-	PCT
<1	۰,0	1.9	•0	.0	.0	.0	1.9	•0	6,3	.0	.0	•0	.0	6.3
1~2	٠,	1.9	6.7	•0	.0	.0	8.7	3,4	16.3	7.2	•0	•0	.0	27.4
3-4	٠.	•0	.0	•0	.0	•0	.0	.0	.0	8.2	•0	•0	.0	0.2
5-6	.0	.0	•0	.0	0 ۽	٠.	.0	•0	1.9	2.4	.0	•0	.0	4.3
7	.0	.0	•0	.0	.0	, ,	•0	٥٠		.0	.0	•0	.0	.0
8-9	•0	•0	•0	.0	.0	•0	•0	•0	•0	•0	.0	•0	.0	•0
10-11	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	.0	• 0	•0	•0
12	.0	.0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	• 0
13-16	.0	.0	•0	.0	.0	•0	.0	•0	•0	.0	•0	•0	.0	•0
17-19	•0	•0	٠,٥	.0	.0	•0	•0	•0	• 0	.0	•0	•0	•0	•0
20-22	•0	•0	•0	•0	.0	•0	•0	•0	•0	• 5	.0	•0	•0	•0
23-25	•0	.0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	.5	•0
26-32	•0	-0	•0	•0	•0	•0	•0	•0	. 3	.0	•0	•0	•0	•0
33-40	.0	•0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0	•0
41-48 49-30	.0	.0	•0	.0	 0.	•0	•0	•0	•0	•0	•0	•0	•0	•0
61-70			•0	•0	.6	.0	•0	•0		•0	• • •	•0	•0	.0
71-86	.0	.0	•0	•0		.0	•0	.0	•0	.0	.0	•0	•0	•0
87+	.0	.0	•0	٥٠	.0	.0	•0	•0	.0	.0	-0	•0	.0	•0
TOT PCT	.5	3.8	6.7	:0	.0	.0	10.6	3.8	24,5	17.8	•0	•0		44.2
101 761	••	***	.,	••	.0	•••		,,,	- 493	4/14	•0	•0	.0	7012

PET FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				Pe	T FREQ :	DE MIND	SPEED	(KTS) AND DIRE	ETION V	ERSUS S	EA HEIC	HTS (FT)			
HGT	1-3	4=10	11-21	S 22-93	34-47	48+	PCT	1-3	4-10	11-21	5 H 22-33	34-47	48+	PCT	
<1		1.4	.0	.0		.0	1.4	0	.0		.0	•0	7.0	•0	
1-2		12.0	1.4	.0	ő	.č	13.5	ň	2.4	.0	:0	.0	.0	2.4	
3-4	:0		6.7	.0	.ŏ	.0	6.7			2.4	.0	.0		2.4	
5=6	.0	.0	1.4	·ŏ	.ŏ	.ŏ	1.4	ő	ěŏ		.0	.0			
7	.0	.0	1.9	.0	. 5	.5	1.9	ő	.5		.0	.0	ŏ	.0	
8-9	.0	.0		.0	ő	.0		. ق		:ŏ				•0	
10-11	.ŏ	.ŏ	.0	.0	ó	.õ	.0	ň	.0	.,	.0	.5	.0	ěš	
12	ě	.ŏ	.0		ŏ	.0	ŏ	.0	.0	. 6	.0	ěŏ	ŏ	ě	
13-16	.ŏ	.0	•0	•0	.ŏ	.0	.0	.0	ŏ	.0	.0	.0	.0	.0	
17-19	ŏ	.ö	.0	•0	,õ	.0	.0	č	ŏ	.5	.0		ŏ	ě	
20-22	ď	.0	.0	.0	.ŏ	.0	.0	ŏ			.0	.0	·ŏ	• 0	
23-25	ě	.0	.0	.0	.c	.0	.c	Ö	.c	ě	.0	ě	.0	•0	
26-32	.0	.0	•0	•0	.0	.0	.0	ŏ	ě		ŏ		ŏ	ŏ	
33-40	•0	.0	•0	•0	.0	.5	•0	.0		.5	.0	•0		•0	
41-48		.0	•0	.0	.0	•0	.0	.0		٥٠	.0	.0	.0	•0	
49-60	.0	.0	.0	•0		.0	ő		.0	.0	.0			.0	
61-70	•0	.0	.0	•0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0	
71-86	.0	.0	.0	•0	. 6	.0	.0	. ^	.0	.0	.0	.0	.0	.0	
67+	.0	.5	.0	. 0	.0	.0	.0	. 5	. 0	ó	.ŏ		.ŏ	.0	
TOT PCT	. 0	13.5	11.5	•0	i a	.0	25.0	.0	2.4	2.4	.0		.0	4.8	
											••		•		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL PCT
<1	•0	1.9	•0	•0	.0	.0	1.9	• 0	.0	.0	•0	•0	.0	• 0	•
1-2	.0	1.9	.0	•0	.0	.0	1.9	.0	.0	.0	.0	•0	.0	.0	
3-4	.0	.0	•0	•0	.0	.0	.0	.0	. 0	.0	.0	.0	.ŏ	.0	
5-6	.0	.0	.0	•0	.0	.0	.0	. 0	:0	.0	•0	.0	.0	•0	
7	.0	.0	1.9	•0	.0	.0	1.9	.0	.0	.0	.0	• 0	.0	•0	
8-9	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	•0	.0	.0	•0	
10-11	.0	.0	.0	• 0	.0		.0	• 1	.0	.0	. 0	•0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	• 0	.0	.0	
13-16	.0	.0	•0	•0	.0	.0	.0	,0	.0	.0	•0	•0	.0	•0	
17-19	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0	
20-22	.0	.0	.0	.0	•0	٠0	.0	.0	.c	.0	•0	•0	.0	.0	
23-25	• 0	.0	•0	•0	.0	•0	.0	•0	.0	.0	•0	•0	.0	.0	
26-32	.0	.0	•0	.0	.0	•0	•0	.0	• 0	.0	• 0	• 5	.0	. c	
33-40	•0	•0	• 0	٠0	.0	.0	•0	• 0	. 0	•0	•0	•0	-0	•6	
41-48	•0	.0	.0	.0	·c	.0	, e	•6	.0	,0	.0	•0	. ò	,0	
49-60	•0	.0	.0	.0	. 2	•0	.0	. 2	.0	.0	•0	•0	•0	.0	
61-70	•0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0	.0	•0	
71-86	.0	.0	.0	.0	.0	•0	.0	.0	.0	٥.	•0	•0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	• 2	.0		• 0	.0	.0	.0	
0-9					_					-					

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нат	0-3	4-16	11-21	22-23	34=47	48+	PCT	TOT
<b>&lt;</b> 1	5.8	11.5	.0	.0	.0	.0	17.3	CBS
1-2	3.8	36.5	15.4	.0	•0	.0	55.8	
3-4	.0		17.3	.0	•0	. 0	17.3	
5-6	.0	1.9	3.8		.0	.,	5.8	
7	.0	.0	3.8	.0	•0	.0	3.0	
8-9	.0	.0	5	ŏ	•0	.0		
10-11	.0	.0	i.c	.0	•0	.0	.0	
12	.5	.0	.0	.0	.5	.5	Š	
13-16		.0	.0	ŏ	.0	.0	ö	
17-19	.0	•0	.0	.0		رة	:6	
20-22	.ŏ	.5	.ŏ	؞؞	.5		:8	
23-25	.0	.ŏ	.0	.5	•0	.0	.0	
26-32	.5	.0	:3		.,	.5	.0	
33-40								
	•0	•0	.0	•0	.0	.0	•0	
41-45	•0	• 9	•0	•0	• 0	.0	.0	
49-60	.0	•0	•0	•0	•0	.0	.0	
61-70	.0	• 0	• 0	.0	• 0	.0	.0	
71-86	.0	•0	•0	.0	•0	.0	•0	
87+	.0	•0	.0	.0	.0	.0	.0	
								52

PFRIOD: (DVER-ALL) 1949-1972

.

TABLE 19

PERCENT FREQUENCY OF WAVE HEISHT (FT) VS WAYE PERIOD (SECONDS)

PERIUD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20+22	23-25	25-32	33-40	41-48	49-60	61-70	71-86	37+	TOTAL	MEAN HGT
<6	14.8	37.0	18.5	2,5	1.2	.0	-0	.0	.0	.0	,0	.0	.0	.0	٠.	.0	.0	.0	.0	<b>6</b> 0	2
6-7	1.2	1.2	1.2	2.5	.0	.0	.0	.0	.0	٠.	:0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
8-9	•0	٠0	.0	.0	.0	.0	•0	.0	•0	.0	•0	• 0	.0	.0	.0	.0	.0	.0	.0	0	
10-11	•0	· p	•0	•0	٠.	1.2	•0	•0	٠٥	.0	.0	.0	.0	.0	• 0	.0	.0	•0	•0	1	8
12-13	•0	•0	1.2	.0	.0	•0	•0	.0	•0	.0	-0	•0	.0	.0	• 3	.0	٠.	٠.	.0	1	3
>13	•0	•0	.0	.0	.0	•0	• 0	• C	.0	.0	.0	•0	• 0	• 0	•0	.0	.0	.0	.0	0	
INDET	11.1	3.7	2.5	.0	.0	•0	•0	.0	.0	٠.	•0	•0	•0	•0	.0	٩.	.0	•0	•0	14	1
TOTAL	22	34	19	4	ı	1	0	0	0	0	0	e	c	0	0	0	0	ə	2	81	2
PCT	27.2	42.0	22.5	4.9	1.2	1.2	-0	. ^	-0	٠.	-0	- 0	. 0		-0	- 0	. 0		. 0	100.0	

JULY

PERIODI (PRIMARY) 1910-1972 (OVER-ALL) 1857-1972

TAPLE 1

AREA 0005 BANGKA ISLAND NORTHWEST

PERCENT FREQUENCY	۵F	WEATHER	DCCURRENCE	8 7	MIND	DIRECTION

PRECIPITATION TYPE												WEATHER	PHEND	MENA	
HND DIR	RATH	RAIN Shwr	DRTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PEPN Past Hr	SHOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG HEA
N	.0	.0	.0	.0	.0	.0	•0	.0	•0	.0	42.1	.0	.0	•0	57.9
NE	.0	.0	۰.	.0	.0	.0	.0	.0	.0	15.4	7.7	.0	.0	•0	76.9
E	1.8	5.3	3.5	.0	.0	.0	.0	10.6	•0	5.3	12.4	.0	.0	.0	73.5
SE	1.8	2.7	.0	.0	.0	.0	.0	4.5	1.5	5.8	2.0	.0	.0	.0	86.5
S	2.2	1.9	.0	.0	.0	.0	.0	4.1	1.0	3.5	3.6	.0	1.3	•0	86.3
Š.	6.5	.0	.0	.0	.0	•0	٠.٥	6.5	•0	6.5	6.5	.0	.0	• 0	80.6
W	22.2	.0	.0	.0	• 0	.0	• 0	22.2	.0	5.6	11.1	.0	.0	•0	61.1
Nw	.0	.0	.0	.ò	.0	.0	.0	.0	•0	26.1		.0	• 0	•0	73.9
VAR	. 0	.0	.0	.0	ď.	.ŏ	.0	.0	.0		.0	.0	.0	•0	.0
CALM	.0	.0	.0	.0	.0	.o	,0	.0	•0	33.3	.0	ŏ	.0	.0	66.7
TOT PCT	2.6	2.3	.3	.0	•0	•0	•0	5.3	1.0	6.3	4.6	•0	.3	•0	82.9

TABLE 2

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	TYPE					SHTE	MET, YEV	PHENT	MENA	
HOUR (GHT)	RAIN	RAIN Shwr	DRIL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIMP	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 00309 12613 18621	5.7 2.2 1.5 1.1	2.9 6.5 .0 1.1	.0 .0 .0	.0 .0	.0	.0	.0	8.6 8.7 1.5 3.4	1.4 1.1 1.3 1.1	.0 1.1 4.5 19.1	2.9 8.7 6.1 3.4	.0	.0 .0 .0	•0 •0 •0	87.1 81.5 86.4 71.9
TOT PCT TOT CBS:	2.5 317	2.8	.3	•0	.0	•0	•0	5.7	1.3	6.6	5.4	•0	.1	•0	81.1

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WII	ND SPE	ED (KND1	rs)								HOUR	(GHT)			
WND DIR	0+3	4-10	11-21	22-33	34-4~	48-	TOTAL Das	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NF	.4	.8 1.9	.2	.0	•0	.0		1.3	6.0 5.8	1.1	•0	1.0	2.1	2.5	•0	1.8	1.7
E Se	1.7	10.2	1.1	.0	.0	.0		13.0	6.5	9.9	48.3	3.6	44.9	17.5	š	19.7	13.5
S	5.0	17.3	5.1	.1	.1	.0		24.6	8.4	49.3 26.4	25.0	29.0	27.5	21.9	31.3	41.9	23.3
S is	.8	1.4	:	.3 .1	•1	.0		8.2 2.5	A'.8 10:1	3.2	13.3	8.6 2.4	3.8	5.3 1.3	12.5	5.4 2.6	3.5
Nu Var	.7	1.3	.2		.0	.0		2.2	5.6	2.1	•0	1.6	2.5	1.4	•0	3.8	1.9
CALW	3.8				••	-	_	.0 3.8	7.9	•0 ••≥	•0 6•7	.n 4.2	5.1	3.8	•0	2.0	3.8
TOT PCT	12.4	613	181	.7	.2	٥	916	100.0	7.9	142	100.0	191	118	100.0	100.0	152	130

TABLE SA

WND DIR	0-6	WIND 7+16	SPEED 17-27		41+	TOTAL OBS	FCT FREQ	HEAH G12	00 03	HBUI 06 09	12 12 15	18 21
NE P SE	1.6 7.7 14.5	.5 .8 5.2 28.4	.C .0 .1	•••	.0		1.3 2.4 13.0 44.1	6.0 5.8 6.5 8.8	1.0 9.6 49.2	1.5 2.1 8.8 43.7	2.4 3.0 17.3 42.9	1.3 3.2 16.8 42.3
\$ \$\ \ \ \ \	9.1 2.4 1.3 1.4	3.3	1.0	.0	.1		24.6 6.2 2.5 2.2	8.4 8.8 10.1	26.3	28.6	22.3 3.7 1.3	20.7 6.9 3.0
VAR CACH TOT COS TOT DOT	.0 387	494	32			716	3.8	7.0	.0 4.5 157	309	3.6 168	2.0

AREA 0005 BANGKA ISLAND NORTHWEST

PERCENTAGE	FREQUENCY	UF	MIND	SPEED	84	HOUR	(GM*)	

HOUR	CALM	1-3	4-10		SFEED (		48+	MEAN	PC*	TOTAL
7007	CACA	4-3	4-10	11-21	22-33	34447	40+	CEMA	LVEA	003
00603	4.5	8.3	67.5	19.1	.6	.0	.0	7.9	100.0	157
90360	4.5	7.4	61.2	25.2	1.3	. 3	.0	8.4	100.0	309
12615	3.6	8.9	68.5	18.5	.0	.6	.0	7.9	100.0	166
18621	2.8	9.9	72.0	14.9	. 4	.0	.0	7.4	100.0	282
TOT	35	79	613	161	6	2	٥	7.9	••••	916
PCT	3.8	8.6	66.9	19.8	.7	. 2	•0		100.0	•

TABLE 5

TABLE 6

P	PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION HEAN							1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 £ 085C0	TOTAL CB3	CLOUD	000 149	150 299	300 599	600 9 <b>99</b>	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.9	.0	.7	•0		3.5	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	1 • 5	
NE	. 9	.0	.0	.0		2.0	.0	•0	.0	.0		.0	.0	.0	•0	.0	^ . <del>9</del>	
E	3.5	1.5	2.4	. 9		3,9	•0	.0	.0	. 9	.ŏ	• 0	.0	.0	•0	ŏ	7.4	
SE	17.6	8.9	19.3	5.2		4.3	•0	• 0	.0	. 9	4.6	2.2	. 6	•0	•0	ž	42.4	
5	6.7	3.5	12.0	6.7		5.1	•0	• 0	.0	.0	4.1	1.3	1.7	•0	•0	.7	21.1	
SW	.0	.0		3.7		7,0	•0	•0	.0	•0	1.7	• 0	.0	•0	•0	.0	2.2	
W	.0	1.3	.0	1.7		6.2	• 0	•0	. 9	•0		•0	.0	•0	•0		1.3	
NW	. 9	.4	. 2	.0		3.2	• 0	•0	.0	• 0	.0	•0	.0	.0	•0	•0	1.5	
VAR	.0	.0	.0	•0		•0	•0	•0	ŏ	.0			ŏ	.0	.0	.0		
CALM	.0	.9	•0	•0		4.0	č	•0	ĕ	.0	.0	.0		•0	• • •	•0	.9	
TOT CAS	35	19	40	ŽĬ	115	457		ő	'ĭ	· ',	13	• • •	" 3	• 6	ŏ	• • •	9í	115
TOT PCT	30.4	16.5	34.8	18.3	100.0		• ŏ	•0	و ،	1.7	11.3	3.5	2.6	•0	•0	. 9	79.1	100.0

TABLE 7

CUMULATIVE PCT FREQ	

				VSBY (YM	1)			
CEILING	■ CR	= OR	<ul><li>OR</li></ul>	# 5R	⇒ OR	<ul><li>OR</li></ul>	• DR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
■ DR >6500	.9	, 9	.9	.9	.9	.9	.9	.9
<ul> <li>gR &gt;5000</li> </ul>	.9	.9	.9	.9	.9	. 9	. 9	. 9
<ul> <li>DR &gt;3500</li> </ul>	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.4
<ul><li>OR &gt;2000</li></ul>	5.6	6.8	6.8	6.8	6.8	6.8	6.8	6.8
■ OR >1000	15.4	17.1	17.9	17.9	17.9	17.9	17.0	17.9
■ DR >600	16.2	19.7	20.5	20.5	20.5	20.5	20.5	20.5
■ JR >300	16.2	19.7	21.4	21.4	21.4	21.4	21.4	21.4
■ DR >150	16.2	19.7	21.4	21.4	21.4	21.4	21.4	21.4
. DR > 0	16.2	19.7	21.4	21.4	21.4	21.4	21.4	21.4
TOTAL	10				2.6			

TOTAL NUMBER OF OBS: 117

PCT FREQ NH <5/81 78.6

TABLE 7A

## PERCENTAGE PRAG DE COM CLOUDS (EIGHTHS)

•	1	2	3	4	4	6	7	8 5	BSCO	TOTAL
• •	21.0	24.2		12.0				• •	_	

								J	DEA						
FER 1301	(PRIMARY) 1 (DVER-ALL) 1	910-1972 857-1972						TAS	LE 8				ARE	A 0005	BANGKA ISLAND NORTHWEST
			PE	RCENT			D DIRECTION WIT							E 01	
	VS64 (N4)			NE	E	SE	S	\$ w	W	**	PAV	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP	. 0		.0		.0	.0	.0	.0		•0	.0		
		TOT %	.0	٥. ٥.	.0	.0	•0	•0	.0	.0	.0	•0	.0		
		PCP	.0	. 0	.0	•0	•0	•0	.0	•0	.0	.0	.0		
	1/2<1	NO PCP	.0	. 2	ž	. 3	. 5		.3	.0	.0	.0	1.7		
		TOT \$	.0	.2	.2	.3	.5	.?	.3	.0	•0	•0	1.7		
		PCP	.0	.0	•0	.0	•0	•0	.0	.0	.0	.0	.0		
	1<2	NG PCP	. 2	. 2	.0	.0	. 3	• 0	.0	.0	•0	•0	.7		
		TOT %	. 2	. 2	.0	•0	. 3	.0	•0	•0	٥.	•0	7		
		PCP	.0	.c	.0	.3	• 3	• 0	. 3	•0	.0	.0	1.0		
	2<5	NO PCP	.0	.0	:8	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT ×	.0	.0	.0	.3	.3	.0	, 3	.0	.0	• 2	1.0		
		PCP	.0	.0	1.0	1.2	.5	•0	.0	.0	.0	•0	2.6		
	5<10	NO PCP	. 8	• 7	3.6	19.8	8.6	• 6	.0	•0	• 0	1.3	36.3		
		TOT %	. 8	.7	4.0	21.0	9.1		.7	•0	•0	1.3	38.9		

5.1 3.0

2.1

9.2 49.3 25.9

.0 1.7 .7 56.1 .7 57.8

.0 2.0 100.0

303

TABLE 9 PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY SPD KTS 0-3 4-10 11-21 22+ TOT % VSBY (NH) PCT TOTAL DBS .0000 .0000 .0 .00.44 .00.04 .00.77 .20.09 .00.60 .00.60 .11.23 .00.90 .00.60 .20.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .00.90 .0 020002 000000 04200 <1/2 0-3 1/2<1 4-10 11-21 22+ TOT \$ .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0.00.00 ..... .0 0-3 4-10 11-21 22+ TOT % .0 .0 .0 ٠0 0-3 4-10 11-21 22+ TOT \$ .00000 .0.00 2<5 5<10 4-10 11-21 22+ TOT \$ .5 2.2 .1 .0 2.7 .6 7.2 4.4 .0 12.2 .2 .0 .0 .3 .2 7.5 54.3 12.2 74.3 0-3 4-10 11-21 .0 1.3 .0 .0 .7 6.6 1.0 .0 6.3 1.7 25.7 7.6 .2 35.3 1.8 15.3 3.2 .1 20.5 .00000 TOT GBS TOT PCT 1.0 1.9 11.5 48.4 26.5

4.4 2.2

1.4

.0 2.8 100.0

Þ	11	•

PERIOD:	(PRIHARY)	1910-1972
	INVER-ALL L	1857-1472

TABL# 10

AREA 0009 BANGKA ISLAND NORTHWEST

PERCENT FREQUENCY	OF CEILING RRENCE OF N	HEIGHTS (FEET, NH H <5/8 BY HOUR	>4/8)	AND
0040	10 3 11 OC OI II	apre et riger		

HOUR (GHT)	000 149	150 209	300 399	999	1000	2000 3499	3500 4999	5000 6499	0500 7999	8000+	TOTAL	NH 45/8 ANY HGT	TOTAL
60300	.0	.0	.0	3.2	19.4	3,2	3.2	.0	.0	•0	29.0	71.0	31
<b>90360</b>	•0	•0	•0	•0	12.5	•0	•0	.0	.0	4.2	16.7	43.3	24
12615	.0	.0	2.9	•0		2.9	2.9	.0	.0	•0	17.6	82.4	34
18621	.0	.0	.0	0.1	3.0	6.1	1.0	.0	.0	•0	18.2	81.8	33
TOT	0	0	1	. 3	13	3.3	. :	0	0	.1	25	97	122

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V\$R	Y (NM)	BY HOUR		CUMULAT					VSRY (NH)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	<b>\$&lt;10</b>	10+	TOTAL CBS	HOUR (GMT)	<150 <50YD	<100 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TETAL OBS
60300	2.0	1.0	.0	2.0	19.6	75.5	102	60300	•0	.0	3.3	26.7	70.0	30
90360	.0	2.4	.0	1.2	27.5	48.9	267	90340	.0	.0	4,3	13.0	82.6	23
12615	.0	1.9	.•	1.9	21.3	74.1	108	12615	•0	3.1	3.1	15.6	01.3	32
18621	.0	.0	1.2	.0	24.1	74.7	170	18621	•0	•0	6.3	12.5	61.3	32
TOT	2	7	3		130	399	547 100-0	TOT	0		5	20 17.1	78.0	117

TABLE 13

TABLE 14

	PERC	NT PR	EOUENCY	/ OF R	ELATIV	E MUMI	01TY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y 0F W	IND DI	RECTIO	4 BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-49	70-79	80-89	96-100		PREQ	N	NE	E	SE	\$	SW	¥	NW	VAR	CALM
90/94	.0	.0	.0	.0		.0	.0	.0	1		•0	.0	.0		.0	.0	,0	.0	.0	.0
85/89 80/84	.0	.0	•0	•0		26.9		5.8	30 180	13.5	1.7	2.5	1.3	40.5	2.1 20.2	3.6	2.0	.0	.0	2.2
75/79	.0	.0	•0	•0		.4	1.8	3.1	12	5.4	•.6		7.5	2.1	1.6	4	*:4	.4		`.ō
PCT	.0	.0	•0	•0	3.1	36.3	115 51.6	9.0	223	100.0	2.1	2.9	9.0	51.7	23.9	4.0	2.9	1.2	•0	2.2

TABLE 15

TABLE 16

	HEANS,	EXTREM	ES AND	PERCE	ITIL#S	OF TEI	49 (0)	G F) 1	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	ALIGIWA	84 HORI	t.
HOUR (GMT)	MAX	998	95x	90%	5 x	1%	MIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70+79	80-89	90-100	MEAN	TOTAL
00803	88 93	87 90	86 88	82 84	78 79	75 77	73 75	81.7	152 300	£0300	•0	•0	11.1	20.5	53.1 36.5	20.4	83 77	49
12615	4 B	65	85	82 82	79 79	78 76	75 76	\$2.3 \$1.8	169 281	12615	.0	.0		42.0	52.0	6.0	80	50 73
107	93	86	86	82	79	76	73	12.5	902	707	•	•0	•0	2117	63.0	9.6	81	225

PAGE 354

****

JULY

PERIOD: (PRIMARY) 1910-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCUPRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	101	w	WD
THP DIF	76	80	84	8.6	92		FQG	FOG
7/8	.0	.0	.0	.0	.4	1	•0	.4
4	.0	•0	.0	2.1	.4	ő	•0	2.5
3	.0	.0	.0	. 8	.0	2	•0	٠. ٢
ž	. 4	•0	2.9	2.9	. 8	17	.4	6.7
ī	• 0	• 6	6.3	3.3	•0	23	1.3	8.4
3 2 1 0	.0	•0	17.6	5.0	.0	54	1.3	21.3
-ĭ	.0		18.4	1.3	. 5	47	2.1	17,6
-1 -2 -3			13.8	.0	.0	35	1.3	13.4
- 2	.ŏ	3.8	5.4	.0	.5	22	1,4	8.8
-4	.0	3.8	4.2	ő	.5	19	•0	7.9
-5					·ŏ			2.5
	•0	1.3	1.3	.0		•	•0	
-6	•0	. 5		• 2	• 0	4	• •	1.7
-7/-8	.0	.4	.4	•0	.0	2	• 0	. 6
-9/-10	.0	. 4	٠.	• 0	•0	1	•0	. •
JATCT	1		170		4		16	223
		27		37		239		
PCT	• 4		71.1	15.5	1.7	100.0	6.7	93.3

PERIOD: (GVER-ALL) 1963-1972

TABLE 18

				PC	T FREG C	F WIND	SPEED	(KTS) AND	DIREC	TION V	EASUS S	FA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PÇT		1-3	4-10	11-21	22-33	34-47	46+	PCT
<1	.0	.0	.0	.0	.0	•0	.0		•0	•0	.0	•0	•0	.0	.0
1-2	.0	.0	•0	•0	.c	٠0	•0		.0	.0	.0	•0	•0	•0	•0
3-4	.0	٠,٥	•0	•0	.0	• 0	.0		•0	1.9	•0	•0	•0	•0	1.9
5-6	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0
.7	.0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
8-9	•0	.0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	:0	•0
10-11	.0	.0	•0	•0	•0	٠0	•0		•0	•0	.0	•0	•0	•0	•0
12 13-16	•0	•0	•0	•0	•0	•0	•0		.0	.0	•0	•0	•0	•0	•0
17-19	.0	.0	•0	•0	.0	•0	.0		.0	, c	.0	•0	•0	•0	.0
20-22	:0	.0	••	.0	.0	•0	.0		.0	.0	•0	•0	•0	.0	.0
225	٠٥		.0	.0	.5	.0	.0		ŏ	.0		.0	.0	.0	.0
26-32	.0	.0	•0	••	.0	• • • • • • • • • • • • • • • • • • • •	•0		.0	.0	:0	.0	•0	•0	.0
33-40	.0	.0	.0	••	.0	.0	•0		ő	.0	ŏ	.0	•0	.0	ŏ
41-46	.ŏ		.0	.0	.0	.0	.0		ě	,0		.0	.0	.0	.0
49-60			.0	.0		.0			.0	.0		.0	•0	.0	
61-70		.0	.0		.0	.0	.0		.0	.0	·õ	.0	.0	.0	
71-86	. č			•0	.0	•0	.0		. 0	.0	.0	.0	•0	.0	
874	.0	.0	• • •	• 0	.0	•0	•0		.0	•0	.0	•0	•0	•0	.0
TOT PCT	•0	• 0	40	•0	•0	•0	.0		.0	1.9	•0	•0	•0	•0	1.9
				_		-						_		-	, .
				E								SE			
4GT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•0	1.4	•0	•0	•0	•0	1.4		.0	5	.0	•0	•0	•0	. 5
1-2	• ?	3.4	•0	•0	•0	•0	3.8		• 0	19.2	6.3	•0	•0	•0	25.5
3-4	.0	.0	1.4	•0	.0	.0	1.4		•0	7: ?	13.9	•0	•0	•0	21.6
5-6 7	٥.	•0	•0	.0	.0	•0	•0		۰0	.0	7.7	.5	٠Ç	•0	4.2
1-9	.0	.0	•0	.0	•0	.0	•0		.0	.0	.5	•0	•0	•0	.5
10-11	.0	.0	•0	.0	•0	•0	•0		.0	:0	.0	•0	•0	•0	•0
12	.ŏ	.0	•0	.0	.0	.0	.0		ĕ	ö	.0	.0	•0	.0	.0
13-16			•0	.0	.0	:0	.0		ŏ		.0	:8	•0	.0	
17-19	.0	ě	•0	.0	.0	ŏ	•0		.0		ő	.0	•0		.0
20-22	.0	.0	•0	.0	.ŏ	ě	•0		ő		íŏ	.0		.ŏ	ě
23-25			ě	.0	.0	.č	•0		.0	, ŏ	.0	.0	•0	.0	
26-32	.0	.0	.0	.0	.6	.0	.0		.0	.0	.0	.0	•0	•0	.0
33-40	.0	.0	.0	.0	•0	•0	•0		.0	,0	.0	.0	•0		.0
41-46	.0	.0	•0	.0	.0	• 0-	•0		. 0	.0	. 3	.0	<b>,</b> 0	•0	.0
49-50	.0	.0	Ö	.0	.0	•0	•0		.c	.0	•0	• 0	•0	•0	•0
41-70	.0	.0	•Õ	.6	.0	.0	•0		.0	.0	.0	.0	•0	ŏ	.0
71-86	٠0	.0	•0	.0	.0	•0	•0		• 2	•0	•0	•0	•0	٠0	•0
87+	.0	•0	•0	.0	•0	•0	•0		•0	0	.0	•0	•0	•0	•0
TOT PCT	.0	3.3	1.4	•e	•0	•0	••7		•0	27.4	28.4	.5	•0	.0	56.3

- 1	111	٧	

PER 1001	(OVER-ALL)	1963-1972

TABLE 18 (CONT)

AREA 0005 BANGKA ISLAND NORTHWEST

PCT	FREQ	OF I	CNIW	SPEED	(KTS)	۸۹۶	DIFECTION	VERSUS	SEA	HEIGHTS	(FT)	
-----	------	------	------	-------	-------	-----	-----------	--------	-----	---------	------	--

C1     1.9     .0     .0     .0     .0     1.9     .0     5.8     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0	.† .8 .9
C1     1.9     .0     .0     .0     .0     1.9     .0     5.8     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0	8 9 9
1-2	9 9 0
3-4	•9 •0
5=6	•0
7	
8-9	
10-11	.0
12	ŏ
13-16	.0
17-19	• 0
20-22 40 40 40 40 40 40 40 40 40 40 40 40 40	.0
	0
	•0
23-25 ·0 ·0 ·0 ·0 ·0 ·0 ·0 ·0 ·0 ·0 ·0 ·0 ·0	•0
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
41-48 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0	•0
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
	•0
61=70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
	•0
	•0
10 10 10 10 10 10 10 10 10 10 10 10 10 1	•6
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1=3 4-10 11-21 22-33 34-47 48+	TOTAL
The state of the s	CT PCT
	• 0
	• ၁
	•0
	•0
	•0
	•0
	•0
12 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
20-22 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	•0
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
41-48 +0 +0 +0 +0 +0 +0 +0 +0 +0 +0 +0 +0 +0	•0
	•0
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0
49-60	-
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0
49-60	•0

#### WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34=47	48+	PCT	TÓT
<1	3.8	7.5	.c	.0	.0	.0	11.3	083
1-2	.0	32.1	7.5	.0	•0	.0	39.6	
3-4	.0	13.2	17.0	.0	.0	.0	30.2	
5-6	.0	1.9	13.2	1.9	.0	.0	17.0	
7	.0	• 0	1.9	.0	•0	•0	1.9	
8-9	.0	.0	.0	.0	.0	.0		
10-11	•0	.0	•0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	•0	•0	.0	.0	.0	. č	
17-19	.0	.0	•0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	• 0	.0	.0	.0	.0	
26-32	.0	.0	• 0	.0	•0	.0	.0	
93-40	.0	.0	.0	.0	•0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	. 0	.0	.0	.0	.0	.0	.0	
61-70	.0	•0	•0	.0	•0	.0	•0	
71-86	.0	.0	.0	.0	•0	.0		
87+	.0	.0	•0	.0	.0	.0	.0	
*** ***		64.7	20 A		. 0		100.0	53

PERIODI (OVER-ALL) 1940-1972

TABLE 19

## PERCENT PREQUENCY OF MAVE HEIGHT (PT) VS MAVE PERIOD (SECONDS)

PERIDO (SEC)	<b>&lt;</b> 1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.9	36.9	18.8	8.2	2.4	.0	.0	٠.٥	.0	.0	.0	.0	.0	.0	.0	.0	. 6	.0	.0	61	3
6-7	• 0	1.2	5.9	3.5	1.2	1.2	.0	.0	.0	.0	:0	.0	.0		.0	. o	.c	.0	.0	ĭi	Ã
8-9	•0	•0	.0	.0	.0	.0	•0	.0	.0	.0	:0	.0	.0	.0	.0	.õ	.ŏ	.0	.0	ō	
10-11	•0	•0	.0	.0	.0	•0	•0	.0	•0	.0	.0	•0	.0	•0	•0	.0	.0			Ó	
12-13	•0	•0	.0	•0	.0	.0	•0	.0	•0	.0	.0	.0	.0	•0	•0	. ŏ	.0	.0		Ď	
>13	•0	• 0	.0	.0	•0	• 0	•0	·ŏ	•0	٠.٥	.0	•0	•0	•0		.ŏ			.0	ŏ	
INDET	11.8	1.2	2.4	.0	.0	•0	•0	•0	.0	.0	.0	• 0	.0	•0	•0	.0	.0		,0	13	,
TOTAL	15	33	23	10	3	1	Ô	Ď	0	0	0	ŏ	ň		ă				7	65	•
							•	-	•	•	• 7	•	•	•	•		•		•		,

TABLE 1

AREA 0005 BANGKA ISLAND NORTHHEST .75 105.0E

PERCENT	FREGUENCY	ne.	MEATHER	OCCURRENCE	RV	WIND	DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOH	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG W) PCPN	FUG WO PCPM PAST HR	SMOKE HAZE		
N NE E SE S S W Nu VAR CALM	.0 2.0 1.6 .0 .0	.0 5.4 1.4 2.1 3.6 .0	.0 .0 .0 1.8 .0		0000000000	00000000000	00000000000	5.4 3.4 3.6 5.4 .0 .0	.0 .0 .0 1.8 9.8 .0	.00.7	10.8 .0 2.8 5.4 .0	.00000000000000000000000000000000000000	25.0 21.6 8.1 3.8 .9 .0 23.5	.0 .0 .0 .0 1.8 .0 .0	75.0 62.2 88.5 89.8 84.8 90.2 76.5 100.0 88.9
TOT PCT	1.4	2.2	.4	•0	•0		•0	4.0	.7	,4	2.9	•0	4.7	.4	87.3

TABLE

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	TYPE					OTHER	<b>HEATHER</b>	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST HOUP	THĐỆ LTNG	FOG ND PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST RLWG SNOW	
00603 06609 12615 18621	3.1 .0 3.1 1.3	4.7 2.4 3.1	.0 .0 .0	.0	.0	.0	• • • • • • • • • • • • • • • • • • • •	7.8 2.4 6.3 2.6	1.6 .0 .0	1.6 .0 .0 1.3	3.1 2.4 4.7 2.6	.0	.0 7.1 3.1 7.8	1.6 .0 .0	85.9 88.2 85.9 85.7
TOT PCT	1.7	2.4	.3	.0	•0	.0	•0	4.5	.7	.7	3.1	•0	4.8	.3	86.6

TARLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22 <b>-33</b>		48+	TOTAL OBS	PCT FRFQ	MEAN SPD	00	03	06	HBUR 09	(GHT) 12	15	18	21
N NE E SE SV W NW VAR	.2 .5 1.3 2.4 1.7 .6 .0	.5 2.2 10.4 34.4 13.7 3.0 1.8	.0 2 2.5 12.6 5.6 .9	.0 .0 .1 .1 .1	.0	• • • • • • • • • • • • • • • • • • • •		.7 2.9 14.2 49.5 21.0 7.7 2.1 1.1	5.9 6.5 8.1 9.0 3.5 7.8 7.9	.0 1.4 9.0 55.5 24.6 5.5 2.8	18.8	7.0 3.2 1.1	.0 1.5 13.3 46.6 23.1 6.1 3.4 2.3	1.5 4.5 17.5 47.4 16.1 3.6 1.5	3.3 16.7 56.7 10.0 8.3 5.0	2.0 5.7 20.3 45.5 17.2 2.3 .3 2.0	.6 2.5 15.6 5.7 21.3 2.0 1.2
TOT OBS	3.6 97 10.5	616 66.7	207 22.4	.4	•0	•0	924	3.6	4.3	.7 141 100.0	*0 8 100•0	4.2 190 100.0	3.8 132 100.0	6.6 166 100.0	.0 15 100.0	4.7 150 100.0	122 100•0

TABLE 34

WND DIR	0-6	WIND 7-16	SPEE0 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPO	00 03	HOUR 06 09	12 12 15	18 21
N	.4	.3	.0	•0	.0		.7	5.9	.0	.0	1.4	1.5
NE	1.7	1.2	•	.0	.0		2.9	6.5	1.7	1.6	4.4	4.2
ŧ	4.7	9.2	• 2	.0	.0		14.2	8.1	Y.6	11.2	17.4	18.2
ŠE	14.2	32.6	2.7	.0	.0		49.5	9.0	54.2	47.7	48.2	50.1
5	8.3	11.2	1.0	.0	.0		21.0	8.5	24.7	24.1	15.6	19.0
Sw	2.1	2.5	• 2	.0	•0		4.7	7.8	6.2	6.6	4.0	2.2
W	1.2	.8	. 2	.0	.0		7.1	7.9	4.7	3.3	1.8	7.7
NW	.6	.2	, 3	.0	.0		1.1	10.3	. 3	1.6	1.1	1.i
VAR	.0	•0	.0	•0	•0		•0	.0	.0	0		
CALM	3.6						3.6	.0	,7	4.0	6.1	2.9
TOT CAS	339	542	43	0	0	924	,,,	8.3	149	322	181	272
TOT PET	36.7	58.7	4.7	•0	.0		100.0			100.0		

AUGUST

PERIOD: (PRIMARY) 1912-1972 (GVER-ALL) 1858-1972

TARLE 4

AREA 0005 BANGKA ISLAND NORTHWEST .78 105.0E

PERCENTAGE	FREQUENCY	ᄄ	HIND	SPEED	BY	HOUR	(CHT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	082
00603	.7	8.1	61.1	30.2	.0	.0	.0	8.8	100.0	149
06609	4.0	6.8	66,5	22.0	.6	.c	.0		100.0	322
12615	6.1	3.0	69.6	19.3	.0	.0	.0	7.9	100.0	181
18621	2.9	7.7	66.0	20.6	.7	• 0	•0		100.0	272
T07	33	64	616	2C7	4	Ö	ė	8.3	•••••	924
PCT	3.6	6.9	66.7	22.4	.4	٠.	.0		100.0	

TABLE 4

TABLE 4

			T	APLE 5			TABLE 6											
p	CY FRE			D DIRFO		(EIGHTHS) MEAN							CEILIN NH <5/					
MND DIP	0-2	3-4	5~7	8 & 085C0	TOTAL	CDVEP	000 149	150 290	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
N	.0	.0	,0	.0		• 0	.0	•0	• 0	۰.0	.0	.0	.0	.0	.0	,0	•0	
NE	٥.	1.1	1.1	•0		5.0	.0	. 6	. 0	.0	1.1	.0	.0	.0	.0		1.1	
E	2.0	4.3	2.9	5.0		4.7	•0	.0	.0	.0	.0	2.0	.0	•0	.0	. 9	8,3	
SE	8.3	11.5	17.0	8.9		5.0	•0	.0	.0	2.3	1.1	. 9	.0	1.1		1.4	38.8	
S	5.7	14.7	8.3	5.2		4.5	• 6	•0	.0	1.1	2.3	2.9	1.1	.0	•0	.0	26.4	
SW	. 3	1.7	1.1	•0		4.5	• 0	.0	.0	• 0	• 0	•0		•0		•0	2.6	
×	.9	.0	.6	•0		4.0	•0		.0	• 0	•0	•0	. 6	•0	•0	.0	.,9	
Ne	.0	.0	.0	•0		• 6	• 0	• 0	.0	.0	.0	.0	.0	•0		.0	.0	
VAR	.0	.0	.0	•0		• 0	•0	•0	. 0	.0	.0	.0		.0		.0	.0	
CALY TOT DBS	1.1	29	27		87	4.0	• 0	• 0	.0	•0	• 0	10	1.1	•0	• 0	٠٥	1 1 1	87
TOT PCT	18.4	33.3	31.0	17.2	100.0		•0	-0	.0	3.4	4.6	5.7	3.4	1.1		2.3	70.1	100.0

TARLE 7

#### CUMULATIVE PCT FREQ DF SIMULTANEOUS DCCURRENCE DF CEILING MEIGHT (NM >4/8) AND VSBY (NM)

				VSBY (NH	1)			
CEILING	• GR	> OR	a OR	= DR	• OR	• OR	• SR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	10
■ DR >6500	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2 3
■ DR >5000	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4
<ul> <li>■ OR &gt;3500</li> </ul>	5.7	6.9	6.9	ú.9	6.9	6.9	6.9	6.9
■ DR >2000	10.3	12.6	12.6	12.5	12.6	12.6	12.6	12.6
<ul> <li>□ DR &gt;1000</li> </ul>	14.9	17.2	17.2	17.2	17.2	17.2	17.2	17.2
■ OR >600	18.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<ul> <li>OR &gt;300</li> </ul>	18.4	20.7	20,7	20.7	20.7	20.7	20.7	20.7
■ DR >150	18.4	20.7	20.7	20.5	20.7	20.7	20.7	20.7
• CR > 0	18.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7
TOTAL	16	18	18	18	18	18	18	18

TOT! NUMBER OF OBS: 87

PCT FREQ NH <5/81 79.3

#### TABLE 74

#### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCO 0BS 6.2 18.6 20.6 14.4 19.6 7.2 4.1 1.0 8.2 .0 97

PAGE 360

AUCUST

PERIOD: (PRI*18Y) 1912-1972 AREA 0003 SANGKA ISLAND NURTHHEST (OVE--all) 1858-1972 TABLE 8 .75 105.GE

VS8Y			%€	E	32	5	Sw	¥	NW	VAR	CALM	PCT	TOTAL
(NK)			_	_	_		_						085
	PCP	.0	••	•¢	•0	.0	•0	•0	۰0	٠,	••	•0	
<1/2	NO PCP	•0	.0	•0	.0	•0	•0	•0	•0	.0	•0	.0	
	TOT \$	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	.0	
	PCP	.c	.c	.0	.0	•0	.0	.0	• 0	.0	.0	.0	
1/2<1	NO PCP	.c	. 4	.0	.4	• 0	• 0	•0	• 0	.0	•0	.7	
	TOT %	.0	.4	.0	.4	.0	• 2	.0	.0	.0	•0	٠,	
	ace.	.0	.0	.0	.0	•0	•0	.0	.0	.0	• 0	.0	
1<2	ND PCP	. 4	. 7	. 4	. 5	• 2	• 0	. 4	•0	.0	•0	2.5	
	TOT %	.4	.7	. 4	. 5	• 2	• 0	• •	•0	.0	•0	2.5	
	PEP	.0	.0	.0	.0	•0	••	. 2	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	. 0	9.	• 0	. 2	.0	.0	. 0	•0	.0	
	TOT %	.0	.0	.0	.0	.0	• ?	.0	.0	.0	.0	.0	
	PCP	.0	.2	.5	1.5	.7	•0	. 9	.0	.0	.4	3.3	
5<10	NO PCP	1.1	1.2	4.8	18.5	4.2	1.1	. 4	.0	.0	2.2	33.3	
	TOT \$	1.1	1.4	5.3	20.0	4.9	1 • 1	.4	• 0	•0	2.5	36.6	
	PCP	.c	.0	.0	.4	.4	.0	.0	.0	.c		.7	
10+	NO PCP	.0	. 9	7.8	31.0	14.9	2.0	. 8	.7	.0	.7	59.4	
•	TOT %	·e	. 9	7.8	31.3	15.2	2 . 6	. 8	.7	.0	.7	60.1	
	TOT DBS												27

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

					MITH V	ARYING	VALUES	OF 41	SIBIL	Į <b>₹</b> Y			
VSBY (NH)	SPD KTS	N	NE	E	\$ E	S	SW	¥	NW	VAR	CALH	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠.	.0	
<1/2	4-10	. 0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	•с	.0	. 0	.0	.0		٠,	
	22+	.0	.0	.0	•0	.0	.0	•0	•0	•0		۰.	
	TOT %	.0	•0	• 0	.0	.0	.0	.0	٠.	. 3	.0	.0	
	J-3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	•2	•0	• 2	•0	.0	•0	.0	.0		.4	
	11-21	٠0	•0	•0	•0	•0	٠,٥	•0	.0	• 0		.0	
	224	.0	•0	•0	• 0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	. 2	•0	•2	•0	.0	•0	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	• 2	.4	• 2	• 1	• 1	.0	.2	.0	.0		1.1	
	11-21	.0	.0	•0	. 2	.0	.0	• 0	.0	C		. 2	
	22+	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT \$	. 2	.4	• 2	.3	•1	.0	.2	•0	.0	٠.	1.3	
	0-3	.0	.0	•0	•0	.0		.0	.0	.0	.0	.0	
2<5	4-10		.0	• 1	• 1	•0	•0	.0	.0	.0		.2	
	11-21	.0	-0	• 2	• 1	. 3	. 2	• •	.0	.0		.7	
	22+	.0	•0	•0	•0	•0	.0	•0	•0	•0		.0	
	TOT \$	٠.	•0	.3	•2	.3	.2	.0	•0	.0	•0	, 4	
	0-3	.4	.0	.6	.4	•0	.0	•0	.0	٥د	1.3	2,6	
5<10	4-10	. 2	.7	1.6	7.9	1.5	. 6	٠2	•0	.0		12.7	
	11-21	.0	•	.5	3.3	1.4	• 2	.0	.2	.0		5,6	
	22+	٠0	.0	• 0	.0	•0	٥.	٠.	•0	.0		.0	
	TOT %	.6	.7	2.9	11.4	2.9	.7	, 2	• 2	.0	1.3	20.9	
	0-3	.0	,3	.7	1.4	1.1	.6	•0	.0	.0	1.9	5.8	
16+	4-10	.4	. 9	7.6	20.0	12.0	2.2	1.1	. 5	.0		52.7	
	11-21	.0	•0	1.8	10.2	4,9	.4	• 1	. 3	.0		17.7	
	22+	. 0	0	.0		1	.0	0	٠2	.0		• •	
	TOT \$	.4	1.2	10.1	39.6	14.2	3.2	1.2	. 9	.0	1.9	76.5	
	TOT DBS	1.1	2.5	13.4	51.6	21.4	4.1	1.5	1.1	•0	3.2	100.0	537

AUGUST

PERIOD:	(PPIMARY)	1912-1972
	INVER-ALL !	1858-1977

TABLE 10

AREA 0005 BANGKA ISLAND NORTHWEST .73 105.0F

DOGORNENCE OF MA \$370 BY MUUK	PERCENT	FREQUENCY OF CPICING HEIGHTS (FEET,NH >	4/81	AND
--------------------------------	---------	-----------------------------------------	------	-----

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	7500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
€0300	.0	.0	•0	3.1	6.3	12.5	.0	3.1	.0	6.3	31.3	68.8	32
90360	.0	.0	•0	•0	•0	•0	5.0	.0	.0	•0	5.0	95.0	20
12615	.0	.0	•0	3.8	3.8	3.8	7.7	.0	.0	•0	19.2	á0.8	26
18221	.0	.0	.0	5,9	5.9	•0	.0	.0	٠,	٠٥	11.8	88.2	17
707 PC7	0	0	0	3	4.2	5.3	3	1.1	o G	2.1	16	77	95

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VS81	(NM)	BY HOUR		CUMULAT					VSBY (NH) RUCH YBLE	
HOUR (GHT)	11/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00803	.0	1.0	.0	2.0	21.4	75.5	98	00603	•0	.0	3,3	30.0	46.7	30
90360	•0	.6	1.7	.6	19.4	77.7	175	90360	•0	•0	.0	5.6	94.4	10
12615	.0	.0	.•	.9	21.9	76.3	114	12615	•0	•0	4.3	17.4	78.3	23
18621	•c	.6	2.4	.6	25.5	70.7	164	18821	•0	•0	6.3	6.3	07.5	16
TOT PCT	.0	.5	1.5	.9	122	413 75.0	551 100.0	TOT PCT	0	0	3	15	69 79.3	\$7 100+0

				1	WUTE 1	,									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUHII	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTION	BY T	EMP	
YEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PET	Ŋ	NE	E	SE	s	SH	H	NH		CALH
85/89 80/84	٠.	•0	.0			10.0	5.0 42.3	8.5	33 160	16.4	0	.5 3.1	2.5	7.6	3.2	2:6	1.6	.0	.c	2.0
75/79	.0	.0	.0	.0	.0	.0	3.0	1.0		4.0	.c	3. c	.5	2.0	1.0	2.7	.0	.5	.0	2.0
TOTAL PCT	•0	-0	.0	•		74 36.8	101	19	201	100.0	2.0	2.4	14.8	40.8	20.3	3.4	٠.			4.0

TABLE 15

				TAE	LF 15									TABLE	16			
	HEANS,	EXTREM	ES AND	PERCE	TILES	OF TE	1P (DE	G F) 8	Y HOUR		PERC	ENT FRE	CUENCA	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)		99%	95%	50%	54	ł <b>K</b>	411	HEAN	TOTAL OBS	HCUR (GHT)	0-29	3Q-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00203		87 89	85 88	82 83	7 <b>8</b> 79	74 77	73 75	31.0	147 311	E0300 P0300	.0	•0	10.7	24.0 55.4	60.0 28.6	16.0	84 77	50 56
18521	85	**	84	82 82	80 79	78 77	75 76	82.1 81.5	178 273	12£15 18621	•0	•0	2.2	45.7 19.0	45.7 68.3	6.5 12.7	80 84	46
TOT	92	**	86	82	79	77	73	<b>#2.3</b>	909	TOT	0	0	7	76	110	22	81	215

PAGE 342

**(**-€ AUGUST

PERIOD: (PRIMARY) 1912-1972 (DVER-ALL) 1858-1972

TABÉE 17

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.06

PCT FRPO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	77	81	25	69	TOT		<b>#3</b>
THP DIF	80	84	88	92	_	FOG	FDG
6 5	.0	•0	.5	:2	1	.5	.5
5	.0	. 5	.9	. 4	4	. ^	1.9
	.5	. 5	2.8	.0		.0	3.7
3	.0	1.4	3.7	.0	11		5.1
4 3 2 1 0	.0	5.1	4.2	. ^	20	٠.۵	7.3
1	.0	4.7	. 5	.0	11	.0	5.1
ō	1.4	21.4	2.8	.0	55	.0	25.6
-1	1.4	18.1	. 3	.0	42	.5	19.5
-2 -3	3.3	13.0	.5	.0	36	.0	16.7
-3	.9	4.2	.0	. ~	11	. 0	5.1
-4	2.3	3.3	.5	•0	13	.0	6.0
-5	.5	.5	.0	.0	2	٠.	. 9
-7/-8	. 5	.0	.o	30	ĭ	.ŏ	
TOTAL	23		35	•	-	6	215
		156		1	215	•	
PCT	10.7	72.6	16.3	. 4	100.0		100.0

PERIOD: (OVER-ALL) 1763-1972

TABLE 18

				PE	T FREC	3F W143	SPEED	(KTS) AND DIREC	CTION V	E#SUS S	FA HEIG	HTS (FT:	•	
				N							NE.			
HGT	13	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	49+	PCT
<1	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.c	.0	.0	•0	.0	•0	.0	,c	2.1	.0	.0	•0	.0	2.1
3-4	•0	.0	•0	.0	.0	.0	• C	.0	٠.	.0	.0	• 9	. 0	.0
5-6	.0	.0	•0	. 0	.0	•0	•0	•0	٠٥.	. 5	.0	٠٤	.0	. 5
.7	•0	.0	•0	• 0	.0	•0	.0	•0	.0	.0	.0	• • •	.0	.0
8-9	.0	.0	•0	•0	•0	•0	•0	•0	.0	.0	.c	•9	•0	.0
10-11	.0	.0	•0	.0	.0	٠.	•0	•0	•0	.0	.0	•0	.0	.0
12 13-16	.0	.0	•0	•0	.0	٠.	.0	•0	•0	.0	٠,	•0	.0	.0
17-19	.5	.0	•0	.0	.0	.0	•0	•0	•0	•0	•0	• 3	,0	•0
20-22	.ŏ	.0		.0	.0	.0	•0	•3	•0	• • •	•0	•0	· c	0
23-25	.ŏ		:0	:0	.0	.č		.0	.0	•0	•0	•0	•0	.0
26-32	ŏ	.0	• 5	.0	.0		.0	.0	.0	.0	•0	•0	٠,٥	•0
33-40	.0	.ŏ	• ŏ		.0	::	.0	·ŏ		.0	•0	•0	.0	.0
41-48	.0		.0	.0	.0			.0	.0		•0	•0	.ö	•0
49-60	.0	٥.	•0	·ŏ	.0			ő	č	č	.0	•0	.ŏ	•0
61-70	.0	.0	•0	• •	.0	.0	.0	.0	.0	•0	•	•0		•0
71-86	.0	.0	•0	•0	.0	•0		.0	.0	.0	.0	.0	.ŏ	.0
87+	.0	.0	•0	•0	.0	•0	.0	.c	iŏ	Š		•0	.ŏ	.0
TOT PCT	.0	.0	•0	• C	.0	•0	.0	.0	2.1		.0	•0		2.6
											-			
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PÇT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	•0	•0	.0	•0	2.1	•0	4.2	.0	.0	•0	.0	4.2
1-2	.0	5.7	.0	.0	.0	.0	5.7	4,7	25.0	6.3	.0	•0	.0	35,4
3-4	.0	3.1	•0	•0	٠,٥	•0	3.1	•0	7.3	0.8	•0	•0	.0	14.1
5-6	•0	.0	3.6	.0	•0	•0	3,6	•0	•0	2.1	-0	•0	.0	2.1
7 8-9	•0	٠,	•0	•0	•0	٠.	•0	•0	.0	.0	.0	•0	.0	•0
10-11	.0	.0	•0	••	.0	.0	.0	• 6	.0	.0	•0	•0	•0	• 5
12	ŏ		.0	.0	.0	٥.	.0	.0	.0	•0	.0	•0	.0	•0
13-16	.ŏ	:ŏ	.0	:0	.0	:0	•0	٥	:0	.0	.0	•0	•0	.0
17-19	ŏ		ě		.0	.ŏ	.0	.0	ĕ	.0	.0	•0	.0	.0
20-22			2.	.ŏ		.ŏ	.0	ŏ	ŏ		.0	.0	ŏ	٠٥
23-25	. 0		ò	.0		.0	ŏ	ŏ	. 0		.5	•0		.0
26-32	.0	.0	.0	•0	.0	.0	, 0	ō	.0	.ŏ		•0	.ŏ	
33-40	.0	.0	.0	.0	.0	Ö		ŏ	.0		.0	.ŏ	.ŏ	
41-48	.0	.0	.0	•0	.0	٠٥	.0	.0	ō			.0		
49-00	,0	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0
61-70	۰.0	.0	• 0	•0	.0	•0	.0	.0	.0	.0	.0	•0	.0	•0
71-86	-0	.0	•0	٠0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0
87+	.0	.0	•0	•0	.0	.0	.0	•0	.0	•0	• 0	•0	.0	.0
TOT PCT	•0	10.9	3.6	•0	•0	•0	14.6	4,2	36.5	15.1	•0	•0	.0	55.7

958100	: 10vE	R-ALL)	1963-1	072				AL	GUST						
74			.,,,,,	774				TABLE 16	CONT	,			AREA	0005	BANGKA ISLAND NORTHWEST .75 105.00
				PC	T FREO D	F WIND	SPEED	(KTS) AN	n DIRE	TION V	ERSUS S	EA HEIG	HTS (FT	)	
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT					SW			
<1			.0	.0	.0	.0			1-3	4-10	11-21	22-33	34-47	48+	
1-2	2.1	1.9	.0	••	.0		0		••		•0	.0	•0	.0	•0
3-4		2.1	5.2	.0	.0	•0	10.9		•0	2.1	•0	.0	•0	.0	2.1
5-6	:0		2.1	.0	.0	.0	7.3		•0	.0	.5	.0	•0	.0	.5
7				.0			2.1		•0	•0	•0	.0	•0	.0	•0
8-9		.0	•0		.0	•0	•0		•0	.0	•0	•0	•0	.0	•0
10-11	.ŏ	:6	•0	.0	.0	.0	•0		•0	•0	• 0	•0	•0	.0	•0
12		.ŏ	.0	.0			• 5		•0	.0	.0	•0	•0	.0	•0
13-16	.ŏ	.ö	•0		•0	٠.	•0		.0	•0	.0	•0	•0	.0	.0
17-19		.0		•0	•0	•0	•0		•0	•0	•0	.0	.0	.0	•0
20-22		.0	•0	.0	•0	•0	•0		, c	•0	.0	.0	•0	.0	•0
23-25		.0	•0	.0	.0	.0	•0		• ?	•0	•0	•0	•0	.0	•0
26-32	.0		•0	•0	•c	• C	•0		•0	•0	•0	•0	•0	٠.	•0
33-40		.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0
33040	.0	.c	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0
41-48	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	.0	•0	.0	•0
49-60	.0	.0	•0	•0	.0	•0	.0		•0	•0	.0	• 0	•0	.0	•0
61-70	.c	.0	•0	•0	.0	•0	•0		• 0	.0	.0	•0	•0	.0	•0
71-06	•0	•0	•0	•0	•0	•0	•0		•0	. C	.0	•0	•0	.0	•0
87+	٠.	.0	•0	•0	٠.	•0	.0		• 0	.0	.0	•0	•0	.0	,0
TOT PCT	2.1	10.9	7.3	-0	. 0	- 0	20.3				**	•••	• •	•••	, ,

23-63	.0	•0	•0	•0	•c	.c	•0	.0	.0	.0	.0	•0	.0	.0	
26-32	.0	.0	•0	•0	.0	.0	•0	.0	.0	•0	•0	9.0	.0	.0	
33-40	.0	.C	•0	•0	.0	•0	•0	.0	.0	.0		•0	.0	•0	
41-48	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0	:0	•0			
49-60	.0	.0	.0	•0	.0	.0	•0				:0	•0	•0	•0	
61-70	.c	.0	.0	•0	.0	.0		.0	.0	.0		•0	•0	.0	
71-86	.0	.0	.0	•0	.0	ŭ	ě	ě		.0	•0	•0	•0	•0	
87+	. c	.0	•0	•0				.,		.0	•0		•0	•0	
TOT PCT	2.1	10.9	7.3	•0		·ŏ	20.3	.0	2.1		•0	•0	•0	.0	
-				•••	••	••	2013	••	2.1	.5	•0	•0	•0	2.6	
нст	1-3	4-10	11-21	W 22-33	34-47	48+	PCT	1-3	<b>-10</b>	11-21	22-33	24-43	40.		TOTAL
<i< td=""><td>.0</td><td>.0</td><td>•0</td><td>.0</td><td>.0</td><td>.0</td><td></td><td>1.0</td><td>70.0</td><td></td><td></td><td>34-47</td><td>48+</td><td>PCT</td><td>PCT</td></i<>	.0	.0	•0	.0	.0	.0		1.0	70.0			34-47	48+	PCT	PCT
1-2	.0	.0	.0	.0	.0	.0	.0			.0	•0	•0	.0	.0	
3-4	. ŏ		•0	.ö	:ŏ	:0	:0	.0	.0	.0	.0	•0	۰.0	.0	
5-6		.0	.0		ě	.0	•0	.0	.0	•0	2.1	•0	.0	2.1	
7	.0	.ŏ	.0		.č		:0		.0	.0	.0	•0	.0	.0	
8-9	.0	.0	•0		.0		•0	.0		٥.	•0	•0	•0	•0	
10-11	.0	.0	.0	.ŏ	ö		٠٥	.5	.0	•0	•0	•0	.0	•0	
12	.0	.0	.0	.0	ŏ	.0	٠٥			•0	.0	•0	•0	•0	
13-16	.0		ő	.0			:0	•0	•0	.0	•0	•0	.0	•0	
17-19		.0	.0	.0		.0	:0	.0	.0	.0	.0	•0	.0	•0	
20-22	.0	.0	.0	•0		.0	•0		•0	.9	•0	•0	.0	•0	
23-25	.0		•0		.5	.0	•0	•0	•0	•0	•0	•0	.0	.0	
26-32	.0		•0	.0	.0	۵.		•0	•0	•0	•0	•0	•0	•0	
33-40			•0	.0	.0		•0	٥.	•0	•0	•0	•0	•0	•0	
41-48			•0	••	.5	••	•0	•0	•0	•0	•0	•0	.0	•0	
49-60		.0	•0				•0	•0	•0	.0	•0	•0	•0	•0	
61-70	.0	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	
71-86		.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	.0	
67+			•0	••	.0	•0	•0	• 0	•0	•0	•0	•0	.0	•0	
TOT PCT			•0	.0	٠.	-0	•0	•0	.0	•0	•0	•0	.0	.0	
101 PL1		.0	•0		- 2	-0	-0	. ^	. •		• •	_			

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HOT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.1	6.3	.0	.0	.0	.0	8.3	OBS
1-2	6.3	43.8	6.3			ň	56.3	
3-4	.0	12.5	12.5	2.1	.0	, 0	27.1	
5-6	.0	.0	8.3		.0	.0	1.3	
7	•0	.0	.0	.0	.0			
8-9		٠٥	.0		:0		٠,	
10-11			.0			٠,	•0	
12				•0	.0	•0	•0	
13-14	•0	•0	•0	•0	•0	.0	.0	
	•0	•0	•0	.0	.0	.0	.0	
179	٠0	•0	•0	.0	.0	•0	.0	
50-55	•0	.0	•0	.0	.0	.0	.0	
13-25	•0	•0	•0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0		
41-48	-0	.0	.0	.0	.0	.0	.ŏ	
49-60	•0	.0	•0	.0	.0	.0		
61-70	٠.٥	.0	.0	iò	.0	.0		
71-86	.0	.0	• • •				.ŏ	
87+		.0	.0	.0	.,	.0	.0	
	• •	••	•••	••	• • •	••	.0	48

PERIC	D: (DV	ER-ALL	.) 194	9-197	2				TABLE	19											
					PERCENT	PRE	DUENCY C	F WA	VE HEIG	HT TH	r) VS 1	HAVE P	ER100	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	20-32	33-40	41-48	49-60	61-79	71-86	£7+	TOTAL	HEAN
<6	9.2	36.4	10.3	6.0	.0	.0	^	^			• •	_	_	_		_	_			_	HGT
6-7	•0	2.4	3.9	3.9		1.3	:0	:0		.0	,0	••	.0		•0	.0	.0	,0	.0	65	2
8-7	.0		.0		.õ	٠.٥	ĕ	ŏ			;6		•0		• 6	• • •	•0		•0	•	4
10-11	.0	•0	.0	.0	.0					,0		•0	.0		.0	.0	٠.	.0	.0	Ō	
12-13	.0	.0	.0	.ò	.ŏ	.0	.ŏ	.0		٥٠	:0		•6		• 5	•0	.0	•0	•0	0	
>13	•0	.0	.0	.0	.0	.0	•	.0				•0	.0		.0	.0	.0	,0	.0	0	
>13 INDET	1.3	.0	3.9		•0	.0	•0	.0					• • •		•0	.0	.0	.0	•0	Ģ	
TOTAL		30	29	Ì	Ď	ĭ	ŏ		- 7	•	.,	.,	•0	•0	•0	• • • •	•0	•0	•0	-:	Z
PGT	10.5	39.3	38.2	10.5	٠٥	1.3	٠ŏ	.ŏ	. •0	.ŏ	:0		.ŏ		.0	.ŏ	.0	. 0	.0	76	3

PAGE 364

• C

#### SEPTEMBER

9ERIOD: (PRIMARY) 1908-1972 (DVER-ALL) 1854-1972

TABLE 1

AREA 0005 BANGKA ISLAND NORTHWEST

PERCENT	FREQUENCY	OF	WEATHER	DECURRENCE	84	WIND	DIRECTION

PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	ORTL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PASY HOUR	THD# LTNG	FDG WO PCPH	FOG WO PCPN PAST HR	SHOKE	SPRAY BENG UUS! BENG SNO	
N NE E SE S N N N N N N N N N N N N N N	11.1 5.0 .0 3.6 2.8 15.8 14.8	22.2 .0 .0 .4 2.8 5.3 .0	1.0	.00000000000000000000000000000000000000	00000000000	00000000000		33.3 3.0 4.0 5.6 21.1 ;4.8	.0 .0 3.7 15.8 7.4	22.2 10.0 .0 .4 1.9 2.6 7.4 .0 .0	.0 1.5 2.8 .0 .0	•0	22.2 5.0 1.5 10.6 3.5 .0	.0 .0 .0 .0	22.2 80.0 94.0 82.5 86.5 60.5 77.8 100.0 71.4
1_T PCT TOT 3851	4.5	1.1	.4	. 9	•0	•0	•0	6.3	2.2	2.6	1.5	.0	6.3	•0	\$1.5

#### TABLE 2

## PERCENT PREQUENCY OF MEATHER OCCURRENCE BY HOUR

			•	RECIPI	GITAT	N TYPE					0146	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	BÁIN Shur	BREL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	PDG ND PCPN	FOG WO PCPN PAST HR	540%E H4Z8	SPRAY BLWG DUST BLWG SHOW	ND S16 WEA
00603 06659 1261: 18621	1.6 7.8 5.6 5.7	.0 1.3 2.8 1.4	.0 .0 1.4	.0 .0 .0 .0	.0	.0	.0	1.5 5.0 6.3 8.6	.0 3.8 2.6 1.4	1.# .0 4.Z	.0 1-3 2.8 1.4	.0	7.0 10.0 .0 7.1	•0	89.5 80.0 81.9 75.7
TOT PCT TOT CBS:	4.3 274	1.4	.4	.0	.0	.0	•0	<b>4-1</b>	2.2	3.6	1.4	•0	6.1	0	81.4

#### TARLE 3

## PERCENTAGE PREQUENCY OF WIND STRECTION BY SPEED AND BY HOUR

Appropriate Authority of Atun Division at abits at a but																	
WND DIR	0-3		11-41			48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	96	HDUR 09	(GMT) 12	15	18	21
N NATE E SE S S S W W NATE VAR CALM TOT CBS TOT PCT	2.6 1.5 2.6 1.1 1.1 -3 -0 4.9 142	1.2 2.2 10.0 27.6 38.1 5.3 2.0 .6	100 100 100 100 100 100 100	.00	.0	000000000000000000000000000000000000000	931	1.6 3.0 13.3 40.2 24.2 7.6 4.0 1.2 .0 4.9	0,0 0,5 7,6 7,4 7,3 7,4 7,5	3.4 11.7 44.9 23.7 6.1 3.8 2.3 .0 3.8	00.00 10.00 10.00 10.00 10.00	1.9 8.3 41.3 31.0 9.8 4.0 .9	2.5 2.5 16.5 38.6 25.0 7.2 3.0 4.2 118	1.7 3.6 13.6 36.3 21.3 7.9 6.6 1.5	23.0 23.0 50.0 12.5 .0 .0	2.3 5.3 16.1 38.7 19.4 7.0 1.7 1.0 8.6 151	2.J 1.3 14.3 39.9 24.8 6.3 3.8 .4 .0 4.7

## TABLE 34

						PE 3-						
WHD DIR	0-6	#7ND 7-'5	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL USS	PCT PREQ	MEAN SPO	00	HOUR 04 09	(GHT) 12 15	18 21
NE PE SE	1.2 1.6 6.1 15.1 10.3 3.8 2.3 .7 .0 4.9 4.9	.3 1.4 6.8 23.8 13.7 3.4 1.4 .4 .0	100 .4 101 .2 .3 .2 .1 .0	.0	000000000000000000000000000000000000000	931	1.6 3.0 13.3 40.2 24.2 7.6 4.0 1.2 .0	6.0 6.3 7.5 8.5 7.6 7.4 7.3 7.4	3,2 10,9 46.0 22.7 6,3 4,2 2.8 .0 3,3 142	1.5 2.1 11.2 40.3 28.9 3.6 .8 .0 2.7 230	1.6 3.4 16.0 36.9 20.9 7.5 6.3 1.5 0.8 1.89	2.4 3.5 15.3 39.3 21.8 6.7 2.6 7.8 270

•	•	۵	٠	•	٠	n	

PERIOD: (PRIMARY) 1908-1972		AREA 0005 BANGKA ISLAND NORTHHEST	DRIHHEST
(OVER-ALL) 1854-1972	749LE 4	.75 105.0F	

PERCENTAGE	FREQUENCY	GF	WIND	SPEED	44	HUUR	(JPT)	

				wINO	SPEFD .	KN9TS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		45+	HEAR	FREQ	085
£030C	3.5	11.3	65.9	18.3	٠.	.0	•0	7.4	100.0	142
90300	2.7	10.3	65.8	20.3	. ə	•0	• 0	5.1	100.0	330
12615	5.8	11.1	67.2	15.9	. 0	.0	• >	7.0	100.0	189
18621	7 8	9.3	66.5	13.7		. 4	• 0	7.1	100.0	2/0
707	46	95	524	150	4	1	ń	7.5		931
PCT	4.9	10.3	67.0	17.2	.4	. i	.0		100.0	

	•••	
TABLE 5	TAB	Ļ

ρ	LT FRE			CLOUD A		(EIGHTHS)		i					CE1L1N					
WND DIR	0-2	3-4	5-7	8 &	TOTAL CAS	CDVE# CLOUD HEAN	202 143	157 299	300 599	50( 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	6000+	NH /5/8 ANY HGT	
N	.c	.8	.0			5.0	.0	•0	.0	.8	• 2	.0	.0	.0	0	.0	. 8	
NF	. 5	.0	1.6	1.6		7.0	•0		.0	.0	. 8		2.	•0	.0		1.6	
E	1.4	2.2	3.0	2.6		5.5	•0	• 0	.0	. 6	. 8	.6	.0	• 0	,0	. 8	6.3	
ŠE	10.1	5.8	13.1	10.1		4.9	. 8	•0	.0	3.4	3.4	1.6	.0	1.6	*0		28.0	
S	5.4	3.Z	13.9	4.6		4.8	•0	••	.0	.6	4.2	• 6	.0	• 0	•0	• • •	21.6	
SW	. 8	.0	1.4	5.2		7.1	•0	•0	.0	. 8	2.0	2.4	,0	•0	.0		2 . 2	
ŭ	. 0	.4	3.2	2 - 6		6.7	• 0	• 2	. 0	.0	.0	. 6	. 0	•0	•0	.0	5.6	
Ä×	, à	.4	• 0			6.8	•0	. 0	.0	.0	•0	• 2		• 0	.0		. 8	
VAR	. 0	.0	.0	-		•0	.0	. 0	.0	.0	.0	• • •	.0	•0	•0	.0	.0	
CALM	. 8		1.6			4,8	•0		.0	.0	.0	• • •	.0	.0	.0	.0	4.0	
TOT DAS	žš	17	47	37	124		1	n	• 0	ě	14	° ģ	°ŏ.	2	,	2	86	124
TOT PCT	18.5	13.7	37.9	29.8	100.0		٠ā	• 0	٥٠	6.5	11.3	7.3	.0	1.6	۰0	1.3	71.0	100.0

TABLE 7

CUMULATIVE PCT FREG OF SIMULTANEOUS OF TURRENCE OF CEILING HEIGHT (NH )4/8) AND VSSV (NH)

				*** Y62V	1)			
CEILING	a FIR	• CR	<ul> <li>₽R</li> </ul>	. 78	• GR	• OP	• 'JR	• CR
(FECT)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	1.6	1, 6	1.6	1.6	1.6	1.6	1.6	1.6
■ DR >5000	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
■ DR >3500	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
• DR >2000	7.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2
■ DR >1000	13.4	19.7	21.5	21.3	21.3	21.3	21.3	21.3
■ PR >600	15.7	25.2	26.8	27.6	27.0	27.6	27.6	27.6
• DR >300	15.7	25.2	26.8	27.0	27.0	27.0	27.6	27.6
• OR >150	15.7	25.2	26.8	27.6	27.6	27.6	27.6	27.6
• fix > 0	16.5	20.0	27.6	28.3	26.3	28.3	24.3	28.3
TOTAL	21	33	35	36	36	36	16	36

TOTAL NUMBER OF OBS: 127 FCT FREQ NH <5/81 71.7

TABLE 7A
PERCENTAGE FREQ OF LOW SLOWES (EIGHTHS)

٥	1	2	3	4	,	6	7	ε	ONSCO	TOTAL
11.9	20.0	20.7	11.1	8.9	3.0	4.9	4.4	11.1	•0	135

SF	P	Ŧ	£	4	8	E	R
----	---	---	---	---	---	---	---

PERIODI (PRIMARY) 1908-1072 (OVER-ALL) 1854-1972 TABLE 8 .75 105.0  PERCENT FREQ OF MIND DIRECTION VS OCCUPRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY	AND NORTHWEST
PERCENT FRED OF MIND DIRECTION VS OCCUPRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY	E
YSBY N NE E SE S SW M NH VAR CALM P(7 TOTAL (186	
PCP .0 .C .C .0 .0 .0 .0 .0 .3 .3 .3	
C1/2 ND PCP .C .O	
PCP	
PCP .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
PCP .C .C .O	
PCP	
1<2 NO PCP .4 .6 .0 3.0 .0 .6 .0 .6 .5 3.3	
TOT \$ .4 .0 .4 3.0 .0 .0 .0 .0 .0 3.7	
PCP	
2<5 NG PCP 10 10 14 10 14 10 16 16 16 17	
PrP	
PSP .2 .2 .0 1:1 .4 15 .7 .0 .0 .0 .1	
5<10 NO PCP .C 2.4 5.0 16.3 5.1 1.7 .9 .2 .0 .7 32.3	
TOT % .7 2.4 5.0 17.4 5.5 3.2 1.7 .2 .0 .7 36.4	
PCP .4 .0 .0 .4 .7 .0 .0 .9 .0 .C 1.5	
10+ NO PCP .7 1.1 6.7 25.2 13.4 3.9 3.3 1.0 .0 1.9 57.2	
TOT \$ 1.1 1.1 6.7 24.6 14.1 3.9 3.3 1.0 .0 1.9 55.7	

TOT 085 TOT 9CT 1.7 3.7 12.5 46.3 20.0 7.1 5.0 1.2

TABLE 9

						OF WI					ED		
VSEY ()	SPD KTS	N	NE	£	SE	5	\$ <del>11</del>		NW	VAR	CALH	PCT	TOTAL OBS
*******	0-3	.0	.0	٠0	.0	.0	.0	.0	.0	.0	.0	.0	082
<1/2	4-10	.0	.o	.0				.0	.0		••	.0	
	11-21	.0	.0	.0	.ŏ	ě	.5	.õ	.č	.ŏ		ŏ	
	22+	.0	.0	.0	.0	.5	.0	.0	.0	. 0		, ö	
	TOT %	-0	.c	•0	.0	.0	.0	•0	.0	.0	•0	.ŏ	
	0-3	.0	.0	.0	.0	.c	.0	.0	.0	.0	.0	.0	
1/2<1	4=10	.0	.0	۰0	.0	.0	.0	.0	.0	.0		.0	
	11-51	.0	.0	• C	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	• 0	.0	•0	.0	• 0	٠.	٥.		.0	
	TOT \$	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	
	0-3	•0	•0		•0	•0	•0	. 0	.0	.0	.0	.0	
1<2	4-10	•2	.0	• 2	4	.0	-0	.0	. 0	.0		,8	
	11-21 22+	.c	.0	•0	1.3	.0	.0	•0	.0	.0		7.3	
	TOT %	.0	٥.	•0	0	.0	•0	.0	.0	٠,		.0	
	101 %		•6	• 2	1.7	.0	.0	.0	.0	•0	•0	2.1	
	0-3	.0	•0	•0	. 2	•0	.0	.0	٠٥.	.0	.0	.2	
2 < 5	4-10	.0	.0	• 2	.4	.4	٥	.0	.0	.0		. 9	
	:1-21	.0	•0	•0	.2	.0	٠.٥	.0	.0	.0		.2	
	22*	.0	.0	•0	• 0	•0	٠, ٥	•0	•0	.0		.0	
	TOT %	••	•0	•2	. #	.4	•0	•0	.0	•0	•0	1.2	
	0-3	•1	.3	.6	1.1	. 5	. 2	• 2	- 1	٠.	.4	3.4	
><10	4-10 11-21	•1	1.2	2.4	4.5	3.1	1.5	• •	• 1	٠,٥		18.5	
	22+	.0	٠0	• •	2.2		.4	• 5	.0	.0		4.0	
	107 ¥	.0	1.5	y.3	0	7.0	1.0		•0	•0		2	
		_			12.5	4.4	2.1	1.3	. 2	.0	.4	20.0	
	0-3	•1	• • •		1.9	1.6	1.0	1.2	. 2	٠0	4.3	11.9	
10+	4-10	.9	1.1	6.9	21.4	12.7	3.4	1.2		.0		48.4	
	11-21 22+	•0	•0	1.2	4.8	2.0	.5	• •	• 1	•0		10.0	
	101 x	0	0	0	2	0	2	0	.0	.0			
		1.0	1.6	6.9	28.3	17.1	5.1	2.9	1.1	•0	4.3	70.6	
	OT OAS												531
1	OT PCT	1.4	3.3	12.6	43.2	21.9	7.2	4.4	1.3	•0	4.7	100.0	

•	•	A	•		£	

1001/39	(PRIMARY) (UV\$R=""L)	1908-1972 1854-1972	TA	A8L* 10	APEA 0005	BANGKA ISLAND NORTHWEST

PERCENT FREQUENCY OF CALLING HELGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/4 BY MOUR

HOUR (GMT)	000 149		300 599	600 999	1000	2000 3499	4500 4999	5000 6499	6500 7999	8000+	TOTAL	NH 95/8 ANY HGT	TOTAL OBS
60300	.0	•0	•0	3.4	3.4	6,9	.0	.0	.0	•0	13.8	86.2	29
P038C	.0	.0	.0	3.4	24.1	0,9	.0	3.4	.0	6.7	44.8	55.2	29
12615	.0	•0	.0	7.0	14.0	4,7	.0	.0	,0	• 0	25.6	74.4	43
18621	3.0	•0	.0	9.1	.0	9,1	.0	3,0	.0	•0	24.2	75.8	33
TOT	.7	.0	0	6.0	14	6.7	9	2	0	2	36 26.9	98 73.1	134

TABLE 11

PERCENT FRPQLENCY VSBY (NM) BY HOUR

CUMULATIVE PCT FREQ DF RANGES OF VSBY (NM) AND/DK
CEILING NGT (FEETANN >4/8)-BY HOUR

IR <1/2 1/2<1 1<2 2<5 5<10 10+ TOTAL OBS

(GHT) <50VD <1 55 AND5+ AND 5+ TOTAL OBS

103 .0 .0 4.2 1.0 19.8 75.0 96

204 .0 .0 2.5 1.2 28.0 67.7 161

405 406 400 40 .0 7.4 40.7 51.9 27

115 .0 .0 .0 2.4 23.8 73.8 126

1261 .0 .0 7.5 .6 29.7 67.1 158

18621 3.4 3.4 13.8 13.8 72.4 29

107 0 0 17 7 142 380 541

TOT 1 1 11 25 91 127

PAGE 368

1

SEPTEMBER

PERIOD: (PRIMARY) 1908-1972 (OVER-ALL) 1854-1972

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.0E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	59	73	77	81	85	89	TOT	×	WO
THP DIF	72	76	80	84	88	92		FOG	₽DG
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/6	.0	• 0	٠,	.0	.5	.0	1	.0	. 5
6	.0	.0	.0	.0	. 5	. 5	2	.0	1.0
6 5	.0	•0	.0	.0	. 5	.0	1	.0	. 5
4	.0	•0	.0	1.0	1.4	• 0	5	.0	2.4
3	. 5	•0	. 5	.0	1.0	.0	2	.0	1.0
2	.0	.0	.0	3.6	3.3	•0	15	.0	7.2
ī		• 0	.0	7.2	3.3	.0	22	·ò	10.5
ö		•0	2.4	17.7	1.0		44	.0	21-1
-ì	.0	. 5	1.0	18.2	. 5	.0	42	•0	20.1
-2	.0	. 5	1.4	12.0	.0	• 0	29	.0	13.9
-3	.0	• 0	1.4	6.7	.0	.0	17	. 5	7.7
-4	. ŏ	•0	1.4	2.4	.0	•0	ě	.0	3. 5
-5	.0	•0	5.3	1.0		.0	13	. 0	6.2
-6	.0	.0	. 5	.0	.0	•0	1	.0	.5
-7/-8	.0	•0	1.4		.0	.0	4	.0	1.9
-11/-13	. 5	• 0	.0	. 5	.0	.0	2	.0	1.0
TOTAL	1		31		25	• •	-	i	208
· - · · <del>-</del>	•	2		148		2	209	•	
PCT	. 5	1.0	14.8	70.8	12.0	1.0	100.0	. 5	99.5

PERIODI (OVER-ALL) 1963-1972

TABLE 18

				90	T FRED	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	ı	
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-4	48+	PCT		1-3	4-10	11-21	22-33	34-47	46+	PCT
<1	.0	.6	.0	.0	.0	.0	.0		•0	1.6	.0	.0	•0	.0	1.6
1-2	.0	.0	•0	.0	.0	•0	.0		.0	1.6	.0	•0	•0	•0	1.6
3-4	.0	.0	•0	.0	•0	.0	.0		• 5	. 0	.0	•0	•0	•0	•0
3-6	•0	1.0	•0	.0	.0	• 0	1.6		•0	,0	.0	•0	•0	•0	•0
7	•0	.0	•0	•0	•0	•0	.0		•0	•0	.0	•0	•0	•0	•0
4-9	•0	• 0	•0	•0	.0	• 0	•0		•0	•0	• 0	•0	•0	•0	.0
10-11	٠.	.0	•0	.0	.0	•0	•0		•0	•0	.6	•0	• • •	•0	.0
12	.0	••	•0	• 0	.0	•0	•0		•0	•0	.0	•0	•0	•0	•0
17-19	.0	.0	•0	.0	:0	.0	•0		•0	.0	.0	.0	•0	.0	.0
20-22	č	.0	•0		.0		.0		.5	.ŏ	.0	.0	.0	.0	.0
23-25	.ŏ	.0	•0			:0	•0		ěŏ	.0	.0	:0	•6	:0	•0
26-32	.;		•0	.0	.0	.0	.0					.0	•0	.5	.0
33-40	. 6	.0	.0		.0				.0	.0	.0		.0		.0
41-48	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	.5	•0		.0
47-60	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	•0	•0	•0	•0
61-70	.0	.0	•0	.0	.0	•0	.0		• 0	•0	.0	•0	•0	.0	.0
71-86	.0	.0	•0	.0		.0	.0		.0	.0	.0	•0	•0	,0	.0
87+	.0	.0	•0	•0	٠.	•0	.0		•0	•0	.0	•0	•0	• 0	•0
TOT PCT	.0	1.6	•0	.0	.0	•0	1.6		•0	3. 2	.0	•0	•0	•0	3.2
				٤								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48.	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	•0	•0	.0	•0	.0		.0	6.1	.0	•0	•0	٥,	0.1
1-2	.0	4.4	·ò	.0	, n	٠٥.	4.4		1.0	17.4	2.0	.0	•0	íõ.	23.0
3-4	.0	1.6	.0	.0	.0	•0	1.6		•0	1.6	6,5	•0	-0	•0	8.1
5-6	.0	1.6	•0	•0	•0	•0	1.6		•0	•0	4.8	•0	•0	•0	4.0
.7	.0	.0	•0	.0	•0	• 0	.0		•0	•0	•0	•0	•0	.0	•0
8-9	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	•0	•0
10-11	•0	•0	•0	•0	• 0	•0	•0		•0	•0	•0	•0	•0	•0	•0
12 13-16	.0	••	•0	•0	.0	•0	•0		•0	•0	• 0	•0	•0	•0	۰٥
17-19	:0		•0	•0	.0	.0	•0		•0	٥	•0	•0	•0	:0	•0
20-22	.0	:6	•0	•0	.0	.0			•0		•0	•0	.0	:0	•0
23-25	.0		•0	•0	.0	.0	.0		.0	.0	.0	.0	•0	.0	•0
26-32	.,	·ŏ	.0	.0		• 6	.0		ě		.0		.0	ŏ	• • • • • • • • • • • • • • • • • • • •
33-40			•0	•0			30			•0	.0	:0	• 6	·ŏ	•
41-48	.0	.0	•0	•0	.6	•6	.0		•0	•0	•0	·ŏ	•0		• 6
45-60	.0		•0		.0		,õ		.0	ě		.ŏ	•0	•0	•0
61-70	.0	.0	•0	•0	.0	•0	•0		.0	•0	•0	•0	•0	•0	• 5
71-86	.0	• 0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0
87+	.0	•0	•0	• 0	.0	•0	.0		•0	.0	•0	.0	•0	:0	•0
TOT PCT	•0	7.7	•0	•0	.0	•0	7.7		1.6	29.0	13.3	•0	+C	•0	44.0

								SEPTEMBER								
PERIODI	(OVE	A-ALL)	1963-1	.972				TABLE 18 (CONT	)			AREA		BANGKA 75 105		NORTHKEST
				PC	T FREO	OF WIND	SPEED	(KTS) AND DIRE	TION V	ERSUS S	EA HEIG	HTS (FT	)			
HGT	1-3	4=10	11-21	5 22-33	34-47	48+	PCT	1-3	4-1C	11-21	Sw 22-33	34-47	48+	PCT		
<b>&lt;1</b>	1.6	3.2		•0	.0	•0	4.8		.0		.0	•0	0	•0		
1-2	.0	18.1	6.0	.0	.0	.0	24.2	1.6	.c		.0	•0	.0	1.6		
3-4	.c	3.2	1.6	.0	.0	.0	4.8	•0	.0	1.6	• • •	•0		1.6		
5-6	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0		
7	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0		
8-9	• 0	• 0	•0	•0	.0	•0	•0	.0	.0	.0	•0	• 0	.0	•0		
10-11	.0	.0	.0	•0	• 0	•0	.0	•0	.0	•0	.0	•0	.0	•0		
.12	• 0	.0	•0	•0	•0	•0	•0	• 0	.0	•0	•0	٠٥	•0	•0		
13-16 17-19	٠,	.0	•0	•0	• 0	.0	•0	•0	•0	•0	•0	•0	.0	• 0		
20-22	.0	.0	.0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0		
23-25	.0	.0	•0	•0	.0	•0	.0	•0	•0	•0	•0	•0	•0	•0		
26-32	٠٥	.0	•0	.0	.0	•0	•0	.0	.0	•0	•0	• S	.0	.0		
33-40		.0	.0	.0	.0				.0	.0	.0	•0	:0	.0		
41-48		.0	.0		.0	.ŏ	.0	.0	. 6	.ŏ	.0	.5	.0	.0		
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.ŏ		.0		
61-70	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0		•0	.0	.0		
71-86	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	•0	• 0	.0	.0		
87◆	.0	.0	.0	•0	•0	•0	.0	.0	.0	, າ	•0	•0	.0	.0		
TOT PCT	1.6	24.6	7.7	•0	.0	•0	33.9	1.6	•0	1.5	•0	•0	•0	3.2		
				u							NW				TOTAL	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
<1	.0	.0	•0	•0	.0	.0	.0	.0	1.6	.0	•0	•0	.0	1.6	•	
1-2	.0	.0	1.6	٠,	.0	۰.	1.6	.0	.0	.0	.0	•0	.0	.0		
3-4	.0	.0	•0	•0	•0	.0	.0	•0	•0	.0	.0	•0	.0	.0		
3_6	•0	.0	•0	•0	• ?	•0	•0	•0	•0	•0	.0	•0	•0	•0		
7 8 <b>.</b> 9	•0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0		
10-11	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0		
12	.0	.0	•0	.0	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0		
13-16	.ŏ		.ŏ	.ŏ	č	.ŏ		ě	ŏ	:0	.0	•0	:0	•0		
17-19	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	•0	.0	.0	.0	.0	•0	.0	•0	.0	.0	•0	.0	•0		
23-25	.0	.0	.0	٠.٥	.0	.0	.0	.0	.0	.0		•0	.0	.0		
26-32	.0	.0	•0	• 0	.0	•0	.0	•0	.0	.0	. 0	•0	.0	.0		
33-40	.0	.0	•0	•0	.0	.0	.0	÷n.	:0	.0	.0	•0	•0	.0		
41-48	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	.0		
49-60	.0	.0	.0	.0	•c	٠,	.0	•¢	•0	.0	.0	• 0	.0	.0		
51-70	•0	.0	•0	•0	.0	•0	•0	• 0	•9	.0	.0	. 3	. 0	•0		
71-86	•0	•0	•0	•0	• 0	•0	•0	• 0	•0	•0	•0	•0	•0	•0		
87. TOT PCT	.0	••	.•0	•0	•0	•0	0	•0	0	•0	•0	•0	•0	.0		
101 761	•0	•0	1.6	•0	.5	•0	1.6	•0	1.6	•0	•0	•9	,	1.6	96.8	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	C-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.8	14.1	.0	.0	.0	.0	21.9	OBS
1-2	3.1	42.2	9.4	.0	.0	.0	54.7	
3-4	.0	6.3	9.4	. 0	.0	.0	15.6	
5-6	.0	3.1	4.7	. 0	.0	.0	7.8	
7	.0	.0	.0	. 0	.0	.0	.0	
8-9	. 0	.0	.0	.0	.0	.0	.0	
10-11	•0	•0	.0		.0	.0	.0	
12	.0	·c	.0	'n	.0	.0		
13-16	.0	.0	• 6	.0	•0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	. c	.0	.0	.0	
26-32	•0	•0	•0		•0	.0		
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	• 6	•0	.0	•0	.0		
49-60	.0	.0	•0	, č	•0	.0	.0	
61-70	.0	.0		. 6	.č	.0		
71-86	.0	ij	.0	ŏ		:š	ě	
87+		ŏ	. 5	č			ě	
3		••	• • •	•••	• • •	••	••	64
TOT PCT	10.9	65.6	23.4	.0	.0	.0	100.0	•

PERI	001 (01	ER-ALL	.) 194	9-1972					TABLE	19											
					PERCENT	FFE	ORENCA	OF #A	VE HEI	GHT (F	T) VS N	AVE P	<b>E</b> P100	(SECON	0\$3						
PERIOD (SEC)	<1	1+2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	2 -25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	17.0	32.1	15.1	6.6	.0	.0	.0	.0		.0	,0	٠,0	.0	.0	.0	.0	.0	.0	.0	75	2
6-7	•0	3.8	4.7	1.9	.9	.9	٠٥.	.0	.0	.0	•0		.0	.0	.0	.0	.0	.0	.0	13	4
8-9	•0	.9	.9	.0	.9	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.ŏ	.0	- 3	4
10-11	•0	. 9	.9	.0	.0	.0	•0	.0	.0	.0	:0	.0	.0	.0	•0	.0		.0	.0	2	3
12-13	.0	.0	.0	.0	.0	. 0		.0		.0		.0	.0	.0			.0	iò.	.0	Ď	_
>13	.0	.0	.0	.0	.0	.0		.0		.0		.0		. 5					.0	ŏ	
INDET	9.4	. 9	. 9	ě	.0	.0		.0		.0				. 5						13	,
TOTAL	28		24	-		• • •	•••	• • • • • • • • • • • • • • • • • • • •					• • • • • • • • • • • • • • • • • • • •		- 2		•••	•0	••		•
PCT	26.4	38.7	\$2.6	9.4	1.5	á	.0	.0	.0	.0		.0	.0		.0		-0	.0	. 0	106	Z

PAGE 370

(

1

TABLE 1

AREA 0005 BANGKA ISLAND NORTHWEST .65 105.0E

PERCENT FREQUENCY OF MEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TATIO	Y TYPE					JTHER	WEATHER	PHEND	MENA	
RIG CAN	RAIN	RAIN	DR7L	FR/G PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LING	F06 #0 PCP4	FOG WO PCPN PAST HR	SMOKE HAZE	SPOAY BLWG DUST BLWG SNOH	
N NE E S S W N W VAR CAL	3.7 7.4 4.2 1.4 7.7 3.8 5.2 9.0	3.7 17.3 4.2 7.0 3.9 7.6 1.7 5.4	1.6	000000000000000000000000000000000000000	00000000000	000000000000000000000000000000000000000	1.9	9.2 24.7 8.3 5.5 13.5 11.4 7.0 23.4	.0 2.3 .0 4.8 2.6	6.4 1.2 5.6 3.5 8.7 1.0 5.1	.0 .0 1.4 1.9 3.8 .0	.00000000000000000000000000000000000000	11.0 2.8 7.0 3.9 .0	•0	73.4 74.1 80.6 79.6 77.8 79.0 84.3 76.6
TOT PCT TOT CBS:	4.9 308	5.5	1.0	.0	٠٥.	.0	.3	11.7	1.3	5.2	1.0	•0	4.5	•0	77.6

TARLE 2

#### PERCENT FREQUENCY OF WEATHER DECURRENCE BY HOUR

			,	RECIPI	DITAT	N TYPE					STHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	MRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THER LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SAOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00003 00009 12615 1821	4.3 6.7 5.0 5.3	8.6 6.7 1.3 7.4	1.4 1.0 1.3	.0	•0	•0	1.0 1.0	14.3 17.3 7.5 13.6	.0 1.9 1.3 1.1	7.7 6.3 10.6	1.4 .0 1.3 1.1	.0	4.3 5.8 2.5 4.3	•0	80.0 72.1 82.5 70.2
TOT PCT	5.5	6.6	1.1	.0	•0	•0	.3	13.5	1.1	6.6	.9	•0	4.3	• 0	75.6

TABLE 3

#### PERCENTAGE FREQUENCY OF LING DIRECTION BY SPEED AND BY HOUR

NND CIA	0-3			22-33 22-33		48+	TOTAL DBS	PCT FRFQ	MEAN SPD	00	03	06	наця 90	(GMT) 12	15	18	24
N	2.0	; .8	.3	.0	.0	.0		5.2	4.9	2.9	18.6	5.1	5.7	7.7	22.2	3.6	3.6
HE	2.0	5.6	. 5	.0	.0	• 0		8.1	5.6	4.5	0.3	2.8	7.3	11.1	•0	14.0	8.8
Ε	7.6	7.7	. 3	.0	.0	.0		10.6	5.5	10.1	.0	7.6		15.3	22.2	11.1	12.4
5.8	3.7	14.1	2.1	. 2	.0	. 0		20.0	6.6	23.2	18.8	20.7	21.1	10.6		20.7	17.6
Ś	3.4	12.3	1.6	.1	.0	. 0		17.3	6.4	17.6			19.1				
Š'n	1.1	7.9	1.4		.0	.0		10.4	7.1							14.2	19.6
										15.6	18.8	11.7	9.8	9.2	•0	6.6	9.6
W	2.4	5.3	1.9	. 3	.0	.0		9.4	7.2	9,4	12.5	14.0	8.5	7.1	•0	7.9	8.0
N⊫	2.6	4,3	.7	. 1	.0	.0		7.1	6.5	8.7	• 0	7.2	10.2	4.5	.0	6.6	7.6
VAR	•0	•0	•0	.0	.0	.0		.0	.0	•0	•0		•••	•0		.0	
CALM	11.8							11.8	•0	8.0	•0	12.1	8.9	14.5	•0	14.6	12.6
TOT CAS	291	566	79		0	0	942		5.6	136	ĕ	215	123	173	• • •	151	125
TOT PCT	30.9	60-1	A.4	۸,	•0	•0	•	160.0				100.0			100.0	100.0	

• •	• •	E	34	

WND DIR	0-6	wind 7-16	SPEED 17-27		41+	TOTAL DBS	PCT FREQ	HEAN SPD	00	HBU 66 09	1 (GHT 12 15	18 21
N	4.1	1.1	.0	.0	.0		5.2	4.9	3.8	5.3	8,4	3.6
HE	5.7	2.2	• 2	.0	٠0		8.1	5.8	4.6	5.2	10.6	12.0
F	7.7	2.9	.0	٥.	.0		10.6	5.5	9.6	7.5	15.7	11.7
SE	11.9	7.7	. 4	•0	• 0		20.0	6.6	22.9	20.9	17.0	19.3
•	10.5	6.7	.2	•0	.0		17.3	6.4	18.0	18.9		
Sw	6.0	4.2									14.4	16.7
				•1	.0		10.4	7.1	15.8	11.0	8.8	6.0
w	5.4	3.4	• 4	•2	.0		9.4	7.2	9,6	12.0	6.7	8.0
NW	4.1	2.8	• 2	•0	•0		7.1	6.5	8.2	8,3	4.3	7.1
VAR	.0	• 0	• 0	•0	·ŏ		.0		.0	.0	7.0	
CALH	11.8		• • •	•••								• 0
TOT OBS	633	292				04.5	11.8	.0	7.5		13.7	13.8
			15	2	0	942		5.6	146	331	182	276
TOT PET	67.2	31.0	1.6	.2	•0		100-6		100-0	100.0	100 0	100 0

OCTOBER

PER10D:	(PRIMARY)	1908-1972
	(DVER-ALL)	

ARE	A	0005	BANG	KA IS	LAND	KORTHWEST
			.65	105.	0E	

		PER	CENTAGE	FREQUE	NCY OF	WIND SP	EED BY	HOUR	(GHT)	
HOUR	CALH	1-3	4-10			(KNDTS) 34-47	48+	MEAN	PCT FREQ	TOTAL
60300	7.5	17.1	45.0	8.7	.7	.0	.0	6.2	100.0	146
90360	10.9	19.5	37.7	10.7	1.2	.0	.0	5.9	100.0	338
12615	13.7	18.7	63.7	3.1	.0	. 0	.0	5.0	100.0	182
18621	13.4	19.9	57.4	1.3	. 4	• 0	•0	5.3	100.0	276
TOT	111	180	566	79	6	. 0	0	5.4		942

			T	ABLE 5								T	ABLE 6					
1	CT FRE			Cloud A		(EIGHTHS)		!					CEILIN					
WHD DIK	0-2	3-4	5-7	8 £	TCTAL CBS	COVER COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	<b>6000</b> +	NH <5/8 ANY HGT	
N	.9	.0	. 9	1.0		5.3	.0	.0	. 0	.0	٠.	.9	.0	.0	.0	.0		
ŊΕ	. 9	1.1	. •	2.1		5,2	.0	•0	•0	. 9	. 9	•0	•0	•0	•0	.0	3.2	
€.	3.7	3.4	1.6	5.3		4.9	•0	•0	•0	3.4	. 9	-•0	•0	•0	•0	•0		
58	2.8	2.8	8.7	1.9		5.8	•0	•0	•0	• 2	2.8	3.9	, 9	•0	•0	•0		
5	.,	1.0	5.3	6.0		6.2	•0	. 9	•0	•0	.9	.7	.,•	.9	•0	•0		
SW	.0	٠,	4.6	3.4		6.6	•0	-0	•0	.9	3.0	•0	•0	•0	•0	•0	5.0	
W	1.8	1.4	5.0	3.9		5,4	• •	.0	.0	.,	4.1	•0	.0	-0	•0	.0	7.1	
NW	•0	2.3	3.0	2.8		5.4	•0	•0	• 0	•0	1.1	.,	.9	. 9	•0	.9	3.2	
VAR	.0	.0	.0	•0		•0	•0	•0	.0	.0	.0	• 0	.0	•0	.0	.0	•0	
CALM	. 9	4.6	5.5	.0		4.6	•0	•0	.0	. 9	.0	. 9	.0	•0	•0	.0	9.2	
TOT THE	13	20	39	37	109	3.6	ŏ	1	ŏ	6	15	Ĭ,	'n	ž	ŏ	ĭ	71	109
TOT PCT	11.9	18.3	35.8	33.0	100.0		٠٥	, į	•0	7.3	13.4	7.3	2.0	1.0	•0	ē.	65 • 1	100.0

TABLE 7

CUMULATIVE PCT FREQ UF SIMULTAMOUS OCCURRENCE
OF CEILING MEIGHT (MM 54/8) AND VSBV (MM)

				VSBY (NE	1)			
CEILING	e DR	• DR	∞ QR	• DR	₩ DR	• OR	• OR	<ul> <li>DR</li> </ul>
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.,	,,	.9	.,	.9	.,	.,	. • 9
• OR >5000	1.8	2.5	2.6	2.6	2.6	2.6	2.6	
■ DR >3500	3.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3
■ DR >2000	10.5	12.3	12.3	12.3	12.3	12.3	12.3	12.3
• DR >1000	18.4	44.6	25.4	27.2	27.2	27.2	27.2	27.2
■ DR >600	24.4	30.7	32.5	34.2	34.2	34.2	34.2	34.2
# DR >300	24.6	30.7	32.5	34.2	34.2	34.2	34.2	34.2
• DR >150	24.6	30.7	33.3	35.1	35.1	35.1	35.1	35.1
• OR ~ O	20.6	30.7	33.3	35.1	35.1	35,1	35.1	35.1
TOTAL	18	25	28	Añ.	40	i i	40	40

TOTAL NUMBER OF DBS: 114 PCT FREG NH <5/81 64.9

TABLE 7A
PERCENTAGE PREQ OP LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 2 085C0 085 4.7 11.8 25.2 18.1 3.9 7.1 8.7 1.6 18.9 .C 127

PAGE 372

11

OCTOBER AREA 0005 BANGKA ISLAND NORTHWEST .65 105.0E PERIODI (PRIMARY) 1908-1972 (OVER-ALL) 1854-1972 TABLE 8 PRICENT FREG OF WIND DIRECTION VS OCCURRENCE OR NON-DECURRENCE OF PRECIPITATION WITH VARVING VALUES OF VISIBILITY PCT TOTAL VSBY (NK) VAR CALM •0 .0 •• .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .0 .0000 0000 0000 000 .0 .0 <1/2 PCP
1/2<1 NO PCP
TGT %
PCP
1<2 NO PCP
TOT %
PCP
2<5 NO PCP
TOT % .0 ...... 000 000 .3 3,5 4,1 1.8 3.5 5.3 5.2 5.7 2.3 3.1 1.3 9.4 10.7 1.0 6.0 7.0 1.0 2.4 3.4 SCIO NO PCP TOT %

TABLE 9

9,3

8.5

6.6 11.7 23.1 16.8

9.0

.0

308

6.2 100.0

				PERCEN	T FREQ WITH V	OF #1	ND DIRE	CTION OF VI	VS WIL	ID SPE	ED		
VSLY (NH)	SPD KTS	N	NE	E	SE	\$	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	٠,٥	.0	.0	.0	.0	
<1/2	4-10		.0	ō	ŏ	·õ	.0	.0	, n	.0	•	.0	
	11-21	.0	.0	•0	. 0	.0	.0	. 0	• 0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	
	0-3	.0	.0	.0	٠.0	.0	• 2	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	. 2	.0	.0	. 2	-1	• 1	.0	.0		, 6	
•••	11-21	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	٠,	.0		.0	
	TOT %	.0	.2	•0	.0	.2	-1	.1	.0	•0	•0	.6	
	0-3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	
1<2	4-10	.2	.0	.2	. 2	.0	.0	.0	٠.	.0		. 6	
	11-21	.0	.0	.0	.2	. 2	.0	.0	.2	.0		.6	
	22+	.0	•0	•0	.0	.0	.0	•0	•0	.0		•0	
	TOT %	.6	•0	• 2	• •	. 2	•0	•0	. 2	.0	. 4	1.8	
	0-3	.0	.0	.2	.0	.2	.0	.0	.0	.0	.2	.6	
2<5	4-10	.0	.0	• 2	. 2	. 6	.0	•0	.0	.0		•	
	11-21	.0	.0	•0	.0	•0	.0	.0	•0	•0		.0	
	22+	.0	.0	•0	-0	.0	.0	.0	•0	.0		•0	
	TOT %	.0	•0	• 4	.2	.7	.0	•0	.0	•0	•2	1.5	
	0-3	1.3	.4	.7	1.0	. 6	-1	.5	1.2	٠0	1.5	7.2	
5<10	4-10	1.6	1.8	2.6	4.6	3.8	2.0	2.0	1.2	.0		19.6	
	11-21	.5	.0	•0	1.1	. 6	. 2	• 1	.6	.0		3,0	
	22+	.0	-0	.0	•0	.0	.0	.0	. 2	.0		2	
	TOT \$	3.3	5.1	3.3	3.7	4.9	2.3	2.5	3.2	.0	1.5	27.9	
	0-3	.6	.6	1.7	2.4	2.4	1.2	1.6	.9	.0	9.4	21.0	
10+	4-10	1.9	3.9	5.7	10.1	8.3	6.0	3.4	2.3	.0		41.5	
	11-21	.0	. 4	. 3	.7	.7	••	• 6	.4	.0		3.7	
	28+	.0	.0	•0	.0	•0	:0	• 0	.0	.0			
	TOT \$	2.4	4.8	7.7	13.3	11.4	7.8	5.8	3.6	•0	9.4	66,2	
	701 085												542
	TOT PCT	6.3	7.1	11.5	20.6	17.4	10.2	8.4	7.0	•0	11.4	170.0	

n	•	13	ń	F	ı

PERIOD: (PRIMARY: 1908-1972 (OVER-ALL) 1854-1972

TARLE 10

AREA OOOS SANGKA ISLAND NORTHWEST

PERCENT	FREQUENCY D		>4/8)	AND

HOUR (GMT)	000 149	150 299	300 599	600 939	1000		3500 4999		6500 7999	8000+	TOTAL	NH <5/8 AN/ HGT	TOTAL OBS
20103	.0	3.4	-0	3,4	13.8	10.3	.0	6.9	.0	.0	37.9	02.1	29
90360	.0	.0	•0	3.4	10.3	10.3	.0	•0	•0	• 9	24.1	74.9	29
12615	.0	.0	•0	10.5	13.2	5.3	5.3	.0	.0	•0	34.2	65.8	38
18521	.0	.0	-0	8.0	20.0	.0	4.0	.0	.0	4.0	36.0	64.0	25
TOT PCT	.0	.6	•0	8 6.6	17 14•0	6.6	2.5	1.7	.0	. C	40 33•1	81 66.9	121

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CA A28	( ( H )	BY HOUR		CUMULAT					VSBY (NM) 1.84 HOUR	
HOUR (GMT)	<b>&lt;</b> 1/2	1/2<1	142	2<5	5<10	10+	TOTAL CBS	HDUR (SHT)	<150 <50YD		<1300 <5		NH <5/8 AND 5+	TOTAL DBS
E0300	.0	1.0	1.0	1.0	38.1	58.8	97	00603	•0	3.6	7.1	32.1	60.7	28
90360	•0	.5	3,1	1.6	33.5	51.0	182	90360	•0	•0	8.0	20.0	72.0	25
12615	•0	.0	2.3	2.3	26.0	69.5	131	12615	.0	.0	13.2	21.1	65.8	38
18621	.0	.6	1.2	1.2	33.7	63.4	172	18621	•0	•0	17.4	26.1	56.5	23
TOT PCT	.0	.5	12	1.5	190 32.6	368	982 100.0	TOT PC7	•3	.1	13 11.4	28 24.6	73 64.0	114 190•0

TARLE 13

				-		-									, 200					
	PERC	ENT FI	REQUENC	Y 0F F	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FF	REQUERC	Y 0F #	IND DI	RECTIO	N 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FRES	N	NE	ε	SE	S	SW	W	NW	VAR	CALM
90/94	, ၁					.0	.0	.0	1	.4	.0	.0	.0	.0	٥,	. 0	.0	.0	.0	.4
85/89	•0	. (	0.0	0	2.4	8.1	2.8	. 4	34	13.7	1.6	. 5	1.7	3.7	2.9	:9	.0	1.2	.0	. 8
80/84	.0					27.5	44.8	5.6	196	79.0	5.7	5.7	12.0			3.6	7.8	5.9	. 0	5.2
75/79	.0	. 0	) .0	0	.0	. 4	1.6	4.8	17	6.9	. 2	. 5	. 4	. 4	. 4	1.8	1.8	1.2	.0	
TOTAL	0		) 0		9	90	122		248	100.0		•••	• • •	• •	•	•••	•••	•••	- •	• • •
PCT	•0	.0	• •	• • •	3.6	36.3		10.9	• •		7.6	7.2	14-1	25.1	15.3	6.4	9.6	8.4	•0	6.5

TABLE 15

TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR 75 74 76 77 75

PAGE 374

OCTOBER

PERIOD: (PRIMARY) 1908-1972 (DVER-ALL) 1854-1972

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST .6S 105.0E

PCT FREQ OF AL' TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					89			11.5
AIR-SEA	73	77	81	85		TOT	*	WÜ
THP DIF	76	80	84	66	92		FQG	FBG
5	.0	.0	.0	.4	.4	2	•0	. 8
4	.0	•0	. 4	1.6	٠.0	2 5	•0	2.0
3	.0	. 4	1.2	2.0	.0	9	.0	3.6
4 3 2 1 0		.0	1.6	2.4	.4	11	•0	4.4
7	.0	.4	5.6	3.2	•0	23	•0	9.1
			13.5		ě	47		
Ų	•0			4.6			•0	15.7
-1	.0	2.8	13.1	. 4	•0	41	•0	16.3
-2	.0	2.4	14.7	.4	•0	44	• 4	17.1
-3	.0	1.6	7.9	. 8	•0	26	.4	9.9
-4	.0	5.6	3.2	. 4	•0	23	•0	9.1
-5	.0	1.2	2.4	.0	.0		.4	3.2
-6	.0	.4	.8	.5	.0	3	• 0	1.2
-7/-8	.4	2.4	.4	.0	.0	9 3 8	•0	3.2
-9/-10	.0	• 0	.4	.0	•0	1	•0	.4
TOTAL	ĭ		164	• •	2	-	3	249
	•	44		41	-	252	-	
PCT	. 4	17.5	65.1	16.3	. 8	100.0	1.2	98.8

PERIOD: (QVER-ALL) 1963-1972

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1=3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	1.7	•0	•0	.0	•0	1.7	•0	.0	•0	•0	•0	.0	.0
1-2	.0	2.0	•0	•0	•0	•0	3.0	1.7	7.6		.0	•0	.0	9.3
3-4	.0	0	•0	•0	•0	• 0	•0	•0	.0			•0	.0	۰۵
5-6	.0	.0	•0	•0	.0	• 0	•0	.0	.0	.0	.0	• 0	.0	•0
7	.0	•0	•0	-0	•0	•0	•0	•0	•0	.0	.0	• 0	.0	•0
8-9	.0	.0	•0	.0	•0	•0	•0	•0	•0	.0	.0	.0	.0	.0
10-11	•0	.0	•0	•0	• C	•0	•0	•0	.0	.0	.0	•0	.0	.0
12	.0	.0	•0	• • •	.0	•0	•0	•0	•0	.0	•0	•0	.0	.0
13-16	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0
17-19	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	•0
20-22	• 0	.0	•0	•0	•0	•0	•0	•0	•0	. 3	•0	•0	.0	•0
23-25	•0	•0	•0	• (	•0	•0	•0	•0	• 0	•0	•0	•0	•0	•0
26-32	•0	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0
33-40	.0	.0	•0	+0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0
41-48	•0	٠.	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0	•0
49-60	٠,٥	.0	•0	٠,	•0	•0	•0	•0	.0	•0	.0	•0	•0	•0
61-70	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	.0	•0
71-86	•0	.0	•0	•0	•0	•0	• 0	•0	•0	.0	.0	•0	.0	•0
87+	•0	0	•0	•0	•0	•0	• 0	.•0	.0	•0	•0	•0	.0	•0
TOT PCT	•0	4.7	•0	•0	•0	•0	4.7	1.7	7.6	•0	.0	•0	•0	9.3
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	484	PCT	1-7	4-10	11-21	22-33	34-47	48+	PCT
<1	3.4	3.0	•0	.0	.0	•0	6.4	1.7	2,5	.0	•0	•0	.0	4.2
1-2	.0	9.3	.0	.0	.0	.0	9.3	.0	13.1	1.7	, ŏ	.0	,õ	14.8
3-4	.0	3.4	1.7	.0	•0	•0	5.1	• 0	5,5	.0	.ŏ	.0	Ö	5.5
5-6	.0	.0	•0	•0	•0	•0	•0	.0	•0	.0	•0	•0	.0	•0
7	.0	.0	•0	•0	.0	•0	•0	•0	1.7	1.7	:0	•0	.0	3.4
8-9	•0	.0	•0	.0	•0	•0	•0	•0	.0	,0	.0	•0	.0	.0
10-11	.0	.0	•0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0
12	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
13-16	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	:0	•0
17-19	•0	•0	•0	•0	•0	••	•0	•0	•0	•0	•0	•0	•0	•0
20-22	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	. 0	•0
23-25	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
26-32	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
41-48	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
49-60	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
61-70	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
71-86	.0	.0	۰0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
87+	.0	0	•0	•0	•0	•0	•0	.•0	0	• 0	•0	•0	•0	•0
TOT PCT	3.4	15.7	1.7	•0	•0	•0	20.8	1.7	22.9	3.4	.0	•0	.0	28.0

PERIODI	(DVE	-ALL)	1963-1	972					00708ER				AREA	0005	BANGKA 65 105	ISLAND /	IORTHWEST
				Pc	T FREO	OF WIND			AND SIRE		ERSUS S	EA HEIG	HTS (FT		•, •,	•00	
HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-40 61-70 71-86 87-4	1-3	4-10 1.3 9.3 1.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	11-21 .0 4.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	\$ 22-9300 .00 .00 .00 .00 .00 .00 .00 .00 .	34-47 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	48+ .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	PCT 3.00 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		1+3	4-10 3-8 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	11-21 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	34-47 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	48+	PCY		
HGT <11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TOT PCT	1-3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4-10 1.7 2.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11-21 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	W 22-33 .00 .00 .00 .00 .00 .00 .00 .00 .00	34-47 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	48. .00 .00 .00 .00 .00 .00 .00 .00 .00	PCT 1.7 4.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		1-3 1.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4-10 .04 .00 .00 .00 .00 .00 .00 .00 .00	11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NW 22-33 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	34-47 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	48+ .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	PCT 1.7 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	TOTAL PCT	
				1 1 1 2 2 2 2 3 4 4 8	HOT <1 1-2 3-6 5-7 8-9 0-11 12 3-16 0-22 3-25 6-32 3-25 6-32 3-48 9-60 1-66 87+	0-3 14.8 6.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		KTS) V 1-Z1 06.6 1.6 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	75 SEA HET 22-33 34		48+ P 24 60 60 60 60 60 60 60 60 60 60 60 60 60	.6.7 .5.0 .0.0 .0.0 .0.0 .0.0 .0.0 .0.0 .0	OT BS				

PERIOD: (OVER-ALL) 1949-1972 TABLE 19 PERCENT PREQUENCY OF MAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-11 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 PERIOD <1
(SEC)
(SEC)
(6-7 .0
8-9 .0
10-11 .0
12-13 .0
1313 .0
110ET 23.7
TOTAL 30
PCT 20.9 87+ TOTAL MEAN
HGT
.0 58 2
.0 5 4
.0 4 6
.0 1 2
.0 0
.0 0
.0 1
.0 28
.0 28
.0 100.0 3-4 5.2 3.1 .0 .0 .0 3.1 2.1 2.1 .0 .0 1.0 1.0 1-2 44.3 .0 .0 1.0 .0 .0 4.1 48 49.5 .0 2.1 .0 .0 .0

PAGE 376

Q C

C C

#### NOVEMBER

PERIOD: (PRIMARY) 1908-1972 (OVER-ALL) 1857-1972

TABLE 1

AREA 0005 SANGKA ISLAND NORTHWEST .78 105.0E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	1 TYPE					OTHER	WEATHER	PHENO	KENA	
HND DIR	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNDM	OTHER FRZN P(PN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG HO PCPN	FUG WD PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE E SE SW W NW VAR CALM	5.2 14.0 .0 .0 11.0 17.3 6.1	8.7 14.0 11.4 3.1 2.8 1.1 1.4 17.2	000000000000000000000000000000000000000	.00.00	00000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	13.9 27.9 11.4 3.1 2.8 12.1 18.7 75.3	.0 1.2 8.6 .8 6.4 .0 7.9 4.1	8.2 10.5 5.7 .0 .0 .0	4.3 2.3 .0 .0 .0 4.4 .0 1.8	.00	3.1 .0 .0	•0	75.3 62.8 74.3 93.0 90.8 83.5 73.4 62.4 .0
TOT PCT TOT OBS:	7.4 285	7.4	.0	.0	.0	.0	•0	14.7	3.2	4.6	1.8	.0	• •	•0	76.8

TAPLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HCUR (GHT)	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HDUR	THOR LTNG	FOG ND PCPN	FGG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	3.0 7.0 5.3 11.4	6.1 8.1 3.9 13.9	.0 .0 2.5	.0	.0	.0	.0 .0 .0	9.1 15.1 9.2 27.8	3.0 7.0 1.3	.0 2.3 7.9	3.0 .0 1.3 2.5	•0	1.5 2.3 .0	•0	83.3 74.4 81.6 63.3
TOT PCT TOT CBS:	6.8	8.1	.7	•0	•0	•0	•0	î5.6	2.9	4.9	1.6	•0	1.0	•0	75.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KNO 22-33		48+	TOTAL Das	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GHT) 12	15	18	21
N NE	2.5	9.6	2.5	.1	•0	.0		14.8	7.3 6.2	12.4	30.0	9.2 5.4	17.5	19.6	16.7	20.8	8.7 5.9
E	1.2	2.8	. 3	.0	.0	•0		4.4	5,5	2.9	.0	3.6	5.4	7.7	16.7	3.3	2.0
SE	1.3	6.2	.6	.0	.0	.0		8.2	6.3	6.9	10.0	6.7	7.8	7.4	33.3	10.0	9.8
S	2.1	5.4	.4	-1	•0	.0		8.9	6+2	12.4	20.0	9.7	7.1	7.9	8.3	5.3	10.6
Sw	2.2	10.4	.•	.3	•0	•0		13.9	6,7	22.3	•0	15.8	12.3	8.4	8.3	9.1	17.3
¥	2.4	8.4	2.1	. 2	.0	.0		13.0	7,3	10.9	20.0	21.6	14.2	8.4	8.3	6.8	14.2
Nw	3.3	10.0	2.3	.0	•0	.0		15.6	6.8	14.6	10.0	17,8	13.1	17.0	.0	13.0	18.1
VAR	•0	.0	.0	.0	•0	. 0		.0	:0	•0	•0	.0	•0	•0	•0	.0	•0
CALM	13.7							13.7	٥٠	11.7	•0	10.1	14.2	17.7	•0	17.5	13.4
TOT OBS	275	552	92	6	0	0	925		5.8	137	10	199	134	175	6	137	127
TOT PCT	29.7	59.7	9.9	.6	•0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	. 30.0

TA	RL	E	34

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	HDU# 06 09	(GHT) 12 15	18 21
N 4E 8 8 8	3.2 5.1 5.1	5.4 2.5 1.1 3.1 3.1	.0 .1 .1	.00	,0 .0 .0		14.8 7.6 4.4 6.2 8.9	7.3 6.2 5.5 6.3 6.2	13.6 7.0 2.7 7.1 12.9	12.5 6.6 4.4 7.1 8.6	19.5 5.9 8.0 8.3 7.9	15.0 10.7 2.7 9.9 7.9
SW	8.6 6.7	\$.6 5.4	.7	•0	•0		13.9	6.7 7.3	20.7 10.7	14.4	8.4	13.1
NW VAR	1.1	6.5	.3	•0	•0		15.6	6.8	14.3	15.9	16.4	15.4
JALH	13.7	•0	•0	•0	••	925	13.7	.0 5.8	10.9	11.7	17.1	15.5
TOT DAS	65.3	297 32•1	24 2.6	•0	•0	427	100.0	>.●	147 100•0	333 100-0	100.0	264 100•0

NOVEMBER

			11047 1106.		
PERIODI	(PRIMARY) (OVER-ALL)	1908-1972 1857-1972	TABLE 4	AREA 0005	BANGKA ISLAND NORTHWEST .7S 105.0E
			PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT	)	

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	10.9	14.3	66.0	8.2	.7	.0	•0		100.0	147
90209	11.7	18.0	58.9	10.5	.9	•0	•0		100.0	333
12615	17.1	20.4	53.6	8.8	•0	:0	•0	5.2	100.0	181
18621	15.5	11.4	61.4	11.0	.8	•0	•0	6.0	100.0	264
TOT	127	148	552	92	6	0	٥	5.9		925
PCT	13.7	16.0	59.7	9.9	.6	:0	.0		100.0	

			T	APLE 5								TA	IRLE 6					
P	CT FRE			CLOUD A		FIGHTHS)		ı					CEILIN NH <5/					
WND DIR	0-2	3-4	5~7	3 & 035CD	TOTAL CBS	COVER	000 149	15n 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NE	2.3	4.3	8.1	8.5		6.0 5.9	.4	•0	.0	1.2	7.2	2.9	.6	.0	•0	.8	9.9 3.7	
S E	.8	1.9	3.1	•6		4.5 5.2	•0	•0	.0	•0	1.7	•0	•0	•0	•0	•0	2.3 3.7	
S SW W	.0	2,3 .0 3,7	2.7	3.7 3.7 .8		6.2	.8	•0	.0	• • •	1.4	1.7	•0	0. 8.	•0	•0	10•1 1•9 7•2	
NW VAR	.8	3.9	5.2 •0	5.4		5.4 5.8 .0	•0	•0	•0	1.2	1.0	1.0	.2	•2	•0	.0 .8	10.7	
CALM TOT USS	3.3	3.3 27	5.0 51	2.5 33	121	4.8	•0	•0	•0	•0	1.7	•0	.0	•0	•0	•0	12.4	121
TOT PCT	8.3	22.3	42.1	27.3	100.0		2.5	• 0	1.7	4.1	18.2	7.4	.8	1.7	•0	1.7	62.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEICING HEIGHT (NH )4/8) AND VSEV (NM)

				VSBY (NE	1)			
CEILING	<b>■ DR</b>	• OR	• DR	<b>₩ 17</b> 8	• OR	■ DR	= GR	<ul> <li>OR</li> </ul>
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6
■ DR >5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
# OR >3500	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
# GR >2000	10.4	12.0	12.0	12.0	12.0	12.0	12.0	12.0
# OR >1000	25.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
# OR >600	28.0	33.6	33.6	33.6	33.6	33.6	33.6	33.6
# CR >300	28.0	34.4	35.2	35.2	35.2	35.2	35.2	35.2
• OR >150	28.0	34.4	35.2	35.2	35.2	35.2	35.2	35.2
■ PR > 0	20.0	36.8	37.6	37.6	37.6	37.0	37.6	37.6
TOTAL	36	46	47	47	47	47	47	47

TOTAL NUMBER OF OBS: 125 PCT FREQ NH <5/8: 62.4

## TABLE 74

PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD OBS .7 13.3 22.2 14.8 12.6 11.9 8.1 8.1 8.1 0 135

(

PERIODI	(PRIMARY) (OVER-ALL)							TA	ARLF A				ARE	A 0005	BANGKA ISLAND NORTHYEST .75 105.0E
			P	ERCENT	FREQ PREC	OF WIN	D DIRE ION WI	CTION TH VAR	VS DCC	URRENC VALUES	E OR N OF VIS	IBILI	CURREN( TY	E OF	
	VSBY (NH)		N	NE	E	SE	S	Sw	W	NW	VAR	CALH	PCT	TOTAL OBS	
	<1/2	PCP ND PCP TOT %	.0	.0	•0	••	•0	•0	.0	.0 .0	.0 .0	.n .0	••		
	1/2<	PCP 1 NO PCP TOT %	•0	.0 .0	.0	.0	•0	•0	.0	•0	.0	•0	.0		
	1<2	PCP NO PCP TOT %	.0	.0	.0	.0	•0	•0	.0	•0	•0	•0	.0		
	2<5	PCP NO PCP TOT %	.4	.0	•0	.0	•3 •0 •3	•1 •5 •6	.0	.0	.0	•0	.7 1.4 2.1		
	5<10	PCP NO PCP TOT %	1.9 7.4 9.3	1.6	;4 ;7 1•1	.0 4.6 4.6	2.0 2.0	3·2 3·8	1.9 2.9 4.8	3.9 5.4 9.3	•0	2.1 2.5	10.5 30.2 40.7		
	10+	PCP ND PCP TOT %	10.1 10.6	3.6 4.1	2.0 2.0	5.6 6.0	7.3 7.3	3.2 3.6	6.5 6.8	1.1 9.0 10.1	•0	6.0 6.3	3.5 53.3 56.8		
		TOT PET	20.3	7.5	3.1	11.2	9.6	8.0	12.2	19.4	.0	8.8	100.0	285	

TABLE 9

VSBY {NH}	SPD KTS	N	NE	E	SE	S	SW	M	NW	VAR	CALH	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	•0	.0	.0	.0	.0	.0	.0	.0	• • •	30	
	11-21	.0	.0	.0	•0	.0	.0	.0	.0	.0		,õ	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.ŏ	
	TOT %	.0	.0	.0	•0	.0	.0	•0	.0	.0	•0	.ŏ	
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	.2	.2	
./2<1	4-10	.0	.0	.0	.0	.c	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		, o	
	22+	.0	.0	.0	.0	.0	.0	۰0	.0	.0		.0	
	TOT %	•0	•0	•0	•0	.0	.0	.0	.0	.0	•2	•Q	
	0-3	.0	•0	•0	•0	.0	.2	.0	.0	.0	•0	.2	
1<2	4-10	•0	•0	•0	• 2	•0	.4	.0	.2	.0		. 8	
	11-21	.0	•0	•0	•0	•0	.0	•0	•0	.0		.0	
	22+	.0	•0	•0	۰.۵	•0	•0	.0	•0	.0		.0	
	707 %	•0	•0	•0	•2	•0	.6	•0	• 2	•0	•0		
	0-3	.0	.0	•0	.0	.0	.1	-1	•0	.0	.2	.4	
2<5	4-10	. 2	•0	•0	.2	.1	• 2	• 2	.0	.0		.9	
	11-21	.0	•0	•0	• 1	•1	.0	.0	•0	.0		.2	
	22+	•0	•0	•0	•0	•0	.0	•0	.0	.0		.0	
	TOT %	.2	•0	•0	.3	• 2	.3	.3	•0	•0	•2	1.5	
	0-3	.9	.0	.0	• 2	.6	.2	.2	.8	.0	1.7	4.5	
5<10	4-10	3.0	1.4	.5	2.4	1.1	1.9	2.2	3.0	.0		15.4	
	11-21	1.6	•6	•2	•2	•0	• 1	1.0	1.7	•0		5.3	
	22+	.0	.0	•0	•0	• 1		.0	•0	.0		. 2	
	TOT %	5.5	1.9	.7	2.8	1.8	2.2	3.3	5.5	•0	1.7	25.4	
	0-3	1.6	. 9		.9	1.5	.8	1.1	2.8	.0	14.5		
10+	4-10	6.9	3.9	1.6	3.0	5.3	6.3	5.9	8.0	.0		41.6	
	11-21	1.6	• 2	•0	• 6	• •	.4	. 6	1.1	•0		4.9	
	22+	2	.0	•0	•0	- • 0	.0	0	•0	.0		.2	
	TOT %	10.5	5.0	2.5	5.3	7.2	7.4	7.6	11.9	.0	14.5	71.9	
	DT Das												531
T	OT PCT	16.1	7.0	3.2	8.6	9.3	10.5	11.3	17.6	.0	16.6	100.0	

N	n	u	E	M	ĸ	•	

PERIOD: (PRIMARY) 1908-1972 (OVER-ALL) 1857-1972

TABLE 10

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.0E

PERCENT	FREQUENCY OF	CEIČING	HEIGHTS	(FEET, NH	>4/8)	AND
	DCCURRE	NCE OF N	H <5/8 BY	HOUR		

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	2.9	•0	2.9	2.9	17-1	11.4	.0	5.7	.0	•0	42.9	57.1	35
08609	3.0	•0	.0	9.1	18.2	.0	3.0	3.0	.0	•0	36.4	63.6	33
12615	2.2	.0	•0	2.2	13.0	6.5	.0	.0	.0	2.2	26.1	73.9	46
18821	.0	.0	5.3	•0	21.1	10.5	.0	.0	•0	5.3	42.1	57.9	19
TOT	2.3	0	2	3.8	22	A. 8	. 1	2.3	0	, 2	47	86	133

TABLE 1.

TABLE 12

		PERCENT	FRFQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NH) 1/84 HOUR	
HOUR (GHT)	<b>C</b> 1/7	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
E0300	.0	.0	3.0	2.0	26.3	\$8.7	99	00603	2.9	5.9	8.8	35.3	55.9	34
90380	.0	.6	2.3	•0	21.4	75.7	173	90360	3.1	3.1	12.5	25.0	02.5	32
12615	•0	.0	•0	1.6	22.8	75.6	123	12615	2.4	2.4	4.8	23.8	71.4	42
18821	.0	.0	.0	2.5	35.4	62.0	158	18621	•0	5.9	5.9	41.2	52.9	17
TOT	0	1 .2	7	8 1.4	147	390 70-5	553 100-0	TOT	3	5	10	37 29.6	78 62.4	125

				T	ARLF 1	3									TABL	E 14				
	PERC	ENT FR	EOJENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	****			PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP #	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100	TOTAL	PCT	N	NE	E	SE	\$	SW	W	NW	VAR	KJAS
90/94	.0	.0	.0	• • •	4	.0	.0	.0	1	.4	.0	.0	.0	.0	.0	.0	.0	.4	•0	.0
65/89	.0	.0	.0	0	2.2	1.3	1.3	. 9	13	5.7	1.5	1.3	• 0	1.3	.4	.0	.4	.7	.0	
80/84	.0	.0	.0	• • 0	.4	27.4	40.9	6.5	173	75.2	16.3	4.6	2.0		7.9	3.7	7.2	15.2	.0	4.7
80/84 75/79	.0	.0	•0	0	0	1.3	7.8	9.6	43	18.7	3.0	5		.5	1.1	3.4	4.0	3.5	·ò	. 9
TOTAL	0	0	c		7	69	115	39	230	100.0						•••			• •	• •
PCT	.0	.0	•0		3.0	30.0					20.9	A.4	2.7	11.5	9.5	7.1	11.4	20.8	-0	Q.A

TABLE 15

C

€.

				TAE	LE 15									TABLE	14			
	HEANS,	EXTREME	S AND	PERCEN	ITTLES	OF TE	IP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGINU	BY HOU	ł
HOUR (GMT)	MAX	99%	95%	50%	9×	18	HIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	10-79	80-89	90-100	MEAN	TOTAL 085
£9300 90360	88 90	87 39	84 86	81 82	77 79	75 76	75 75	80.8 82.5	145 <b>3</b> 42	E0100		•0	1.9	30.2	47.1	18.7	83 81	53 68
12215		86 85	85 84	82 81	79 78	78 76	76 74	81.8 81.1	184 267	12615		•0	1.7 1.5	27.1 23.5	37.6 54.4	13.6	83 84	59 68
TOT	90	88	85	82	78	76	74	81.7	938	101	0	0	7	72	127	42	83	248

PAGE 300

**{** :

NOVEMBER

PERIOD: (PRIMARY) 1908-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA 0005 BANGKA ISLAND NURTHWEST .75 105.0E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE DECURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT		WG
THP DIF	76	80	84	89	92	-	FUG	FOG
11/13	.0	•0	.0	.0	. 4	1	•0	.4
6	.0	.0	۰.	. 4	. 4	2	• 0	. 8
5	.0	•0	.0	.4	.0	1	.0	. 4
ž	.0	•0	2.1	.4	.0	6	. 4	2.1
ī	.0	.4	3.7	. 4	.0	11	.0	4.6
ŏ	.0	1.2		1.2	•0	44	. 4	17.8
-1	.0	2.9	15.4	1.7	.0	48	. 4	19.5
-2	.0	2.1	17.0		.0	47	•0	19.5
-3		4.1	7.9	.0	.0	29	.4	11.6
-4		4.6	5.0	ŏ		24	•0	10.0
-5		3.7	2.5	ě	.0	15		6.2
		2.5	•	ŏ	ö	17	.4	2.5
-6	• 4							
-7/-8	.0	1.2	.4	•0	.0	•	• 0	1.7
-9/-10		•0	.0	.0	.0	2	•0	. 8
TOTAL	4		168		2		5	236
		55	•	12	_	241	-	-
PCT	1.7	22.8	69.7	5.0	. 8	100.0	2.1	97.9

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 12-16 17-19 22 23-25 26-32 49-60 61-70 71-88 67-70 T-5T •••••••••••••• 1-3 4-10 HGY
<1
1=2
3=4
5=6
7
8=9
10=11
12
13=16
17=19
20=2
20=25
26=32
24=38
41=48
49=40
61=70
71=86
47=40
71=86 1-3 1-3

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)
--------------------------------------------------------------------

										-					
HGT	1-3	4-10	11-21	S 22-33	34-47						Sw				
						48+	967	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	•0	2.1	•0	•0	•0	•0	3.1	•0	.0	•0	•0	•0	.0	.0	
1-2 3-4	•0	9.9	•0	.0	• 6	•0	9.9	•0	2.6	•0	•0	•0	•0	2.6	
5-6	•0		•0	.0	.0	.0	•0	• ?	2.1	•0	•0	.0	•0	2.1	
	.0	.0	•0	•0	•0	• e	• 0	•0	•0	.0	•0	•0	.0	.0	
.7	•0	.0	•0	•0	.0	• 0	•0	• 0	.0	•0	•0	•0	•0	•0	
8-9	•0	.0	• 5	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	
10-11	•0	.0	•0	•0	•0	٠.0	• 0	•0	.0	.0	•0	•0	•0	•0	
12	•0	.0	•0	•0	•0	•0	•0	• 0	• • •	-0	•0	•0	•0	•0	
13-16	.0	.0	.0	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
17-19	.0	.0	•0	•0	•0	•0	•0	• 2	•0	.0	•0	•0	.0	•0	
20-22	•0	•0	•0	-0	.0	•0	•0	•0	.0	.0	•0	•0	.0	.0	
23-25	.0	.0	•0	•0	.0	•0	•0	•0	,0	.0	•0	•0	•0	•0	
26-32	.0	.0	•0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0	.0	
33-40	.0	•0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	•0	.0	
41-48	•0	.0	•0	•0	•0	•0	•0	•0	• 0	.0	•0	•0	٠.	.0	
49-60	•0	.0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
61-70	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	.0	.0	
71-66	.0	.0	•C	•0	.0	.0	•0	•0	• 0	.0	•0	• 5	.0	.0	
87+	.0	.0	•0	•0	•C	•0	•0	•0	.0	.0	• 0	•0	•0	.0	
TOT PCT	.0	12.0	•0	•0	.0	•0	12.0	•0	4.7	.0	•0	•0	.0	4.7	
HGT	1-3	4-10		¥ 22-33	34-47						NW				TOTAL
		10	11-21			48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PÇT	PCT
<1	•0		•0	•0	•0	•0	-0	•0	2.1	.0	•0	•0	.0	2 - 1	
1-2	.0	3.1	•0	•0	•0	•0	3.1	.0	5.2	2.1	•0	•0	.0	7.3	
3-4	.0	.0	•0	•0	•0	•0	•0	•0	2.1	.0	•0	•0	•0	2.1	
5-6	•0	•0	•0	•0	•0	•0	•0	•0	.0	2.6	•0	•0	.0	2.6	
.7	•0	.0	•0	•0	•0	•0	•0	•0	•0	.5	•0	•0	•0	.5	
8-9	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
10-11	•0	•0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	•0	
12	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	
13-16	.0	•0	•0	.0	.0	•0	•0	•0	.0	.0	•0	•0	.0	.0	
17-19	•0	.0	•0	-0	•0	•0	•Q	•0	•0	•0	•0	•0	.0	•0	
20-22	•0	• 0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	.0	
23-25	•0	.0	• 0	•0	•0	•0	•0	•0	.0	•0	.0	•0	.0	•0	
26-32	.0	.0	•0	.0	.0	•0	•0	• 0	.0	.0	•0	•0	.0	.0	
33-40	•0	.0	•0	•0	.0	•0	•0	•0	.0	.0	•0	• 0	.0	•0	
41-48	.0	.0	•0	.0	•0	•0	•0	•0	.0	.0	•0	•0	.0	.0	
49-60	•0	.0	•0	.0	.0	•0	•0	. 3	.0	.0	.0	•0	.0	.0	
61-70	•0	.0	•0	•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	•0	
71-86	•0	.0	•0	-0	•0	•0	•0		• 0	.0	• 0	•0	.0	•0	
87+	•0	.0	• 0	•0	•0	•0	•0	.0	.0	.0	•0	•0	.0	.0	
TOT PCT	.0	3.1	.0	• Č	-0	• 0	3.1	.0	9.4	5.3				14.4	81.3

#### WIND SPEED (KTS) VS SEA HEIGHT (FT)

HOT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	20.4	18.4	•0		•0		38.8	OBS
				•0		.0		
1-2	.0	24.5	4.1	•0	.0	.0	28.6	
3-4	.0	8.2	2.0	.0	.0	٠.0	10.2	
5-6	.0	.0	10.2	.0	.0	.0	10.2	
7	.0	2.0	8.2	2.0	.0	.0	12.2	
8-9	•0	.0	.0	.0	.0	.0		
10-11	•0	.0	•0	.0	•0	.0	•0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	•0	.0	.0	.0	.0	.č	
23-25	.0	.0	.0	.0	.0	. 0	٠Ü	
26-37	.0	.0	•0	.0	•0	.0	.0	
33-40	٥.	.0	•0	.0	.0	.0	.0	
41-48	•0	.0	٠٥	.0	• 0	•0	.0	
49-60	.0	•0	•0	.0	.0	.0	.0	
61-70	•0	•0	•0	.0	•0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								49
TOT PCT	20.6	53.1	24.5	1.0	- 0	^	100 0	

PERIODI (OVER-ALL) 1949-1972

TA8' E 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-50	61-70	71-86	87+	TOTAL	MEAN HGT
<b>&lt;</b> 6_	14.3	25.7	7.6	4.8	5.7	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	61	2
6-7	•0	1.9	3.8	6.7	.0	.0	•0	•0	.0	.0	;0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
0-9	•0	1.0	1.0	.0	.0	1.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	3	4
10-11	•0	•0	1.9	.0	.0	.0	•0	.0	.0	.0	:0	.0	.0	.0	.0	.o	.o		.0	2	3
12-13	•0	•0	.0	.0	.0	.0	•0	.0	.0	.0	:0	.0	.0	•0	.0	.0	.0	. 0	.0	0	_
>13	•0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.c				ŏ	
INDET	18.1	2.9	3.8	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	.ŏ	.ŏ			26	•
TOTAL	34	33	19	12	6	1	Ô	0	0						7		• • • • • • • • • • • • • • • • • • • •	• • •	• • • • • • • • • • • • • • • • • • • •	105	:
PCT	32.4	31.4	18.1	11.4	5.7	1.0	•0	.0	•0	.ŏ	:0	• 6	.ŏ	.ŏ	.0	.ŏ	.ŏ	.ŏ	.0	100.0	2

PAGE 382

#### DECEMBER

PERIOD: (PRIMARY) 1910-1972 (OVER-ALL) 1856-1972

TABLE 1

AREA 0003 BANGKA ISLAND NORTHWEST .75 104.98

PERCENT FI	REQUENCY C	F WEATHER	OCCURRENCE	87	WIRC	DIRECTION
------------	------------	-----------	------------	----	------	-----------

			•	RFCIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
WND CIR	RAIN	RAIN	CRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LING	FOG WD FCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N NE E Se Sw	4.7 9.5 .0 .0	5.3 .0 .0 6.9 8.3 7.7	1.2 .0 .0 .0	.0	•••••	.0	.0	11.2 9.5 .0 6.9 8.3	1,2 3,2 .0 .0 8,3	1.2 .0 .0	1.2 .0 .0 6.9 20.8 15.4	•0	•0	.0 .0 .0	55.3 87.3 100.0 86.2 62.5 50.0
M Nh VAR CALM	12.1 3.2 .0	12.1	4.7 3.2 .0	.0	.0	.0	.0	28.9 17.8 .0	8.1 1.6 .0	.0 4.9 .0 10.0	.0	•0	•0	•0	63.1 77.3 .0 90.0
TOT PCT	5.8 259	6.9	1.9	.0	.0	•0	•0	14.7	2.7	1.9	1.9	.0	•0	•0	79.2

TABLE 2

DESCENT	EBERLIENCY	ns.	MEATHER	DECHIDACHES	BV Month	•

			•	RECIPI	TATIO	H TYPE					CTHES	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	SHYK	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	9.4 5.1 1.8 6.4	9.4 9.2 1.8 6.4	3.8 1.0 1.8 1.3	.0	.0	.0	.0 .0 .0	22.6 15.3 5.3 14.1	3.8 3.1 .0 2.6	1.9 .0 3.5 2.6	1.9 1.0 1.8 3.5	.0	•0	.0 .0 .0	69.8 80.6 89.5 78.2
TOT PCT TOT 085:	5.6 286	7.0	1.7	•0	•0	.0	.0	14.5	2,4	1.7	2-1	•0	•0	•0	79.7

E BJEAT

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0=3			22 <b>-33</b>		48+	TOTAL Das	PCT FREQ	MEAN SPD	00	93	96	HOUR 09	(GMT) 12	15	18	21
N H H H H H H H H H H H H H H H H H H H	2.3 1.0 .4 1.2 1.6 1.9 2.5 2.8	15.2 6.5 1.3 1.2 1.4 3.1 10.1 17.6	10.4 3.0 .1 .1 .3 .7 2.0 5.7	1.0 .2 .0 .0 .3 .5	.0	•0		28.9 10.8 1.8 2.4 3.3 6.0 15.1 26.4	10.1 8.9 5.7 4.2 5.0 7.4 7.8	25.7 8.2 1.1 4.3 6.8 4.5 20.5 24.3	20.0 10.0 .0 .0 .0 .0 .0 10.0	21.3 11.1 1.6 2.4 3.4 6.2 13.6 31.5	33.3 10.6 2.5 2.0 2.5 3.0 12.6 28.3	37.3 12.3 3.2 1.8 1.8 4.1 10.7 27.0	66.7 33.3 .0 .0 .0 .0	37.4 11.0 .9 1.4 2.3 5.0 13.8 19.0	23.3 10.5 1.9 2.9 2.9 10.0 18.6 26.2
TOT DAS	139	411 56.3	162	18 2.5	•0	•0	730	100.0	•:1	110	5	189	99	110	100.0	109	105

TABLE 3A

WHO DIR	0-6	#IND 7-16	\$PEED 17-27	(KNOTS) 28-40	4 <b>i</b> +	TOTAL Des	PCT FREQ	MEAN SPO	00	HgUI 06 09	12 12 15	18 21
N.	9.0	14.1	4.4	•1	.0		28.9	10.1	25.4	25.4	38.1	30.5
NE	4.4	5.2	1.1	.0	.0		10.8	8.9	8,3	10.9	12.8	10.7
ŧ	1.2	-6	.0	.0	.0		1.8	5.7	1.1	1.9	3.1	1.4
SE	2.1	.3	.0	.0	.0		2.4	4.2	4.1	2.3	1.8	2.1
\$	2.5	.7	.1	.0			3.3	5.0	6.5	3.1	1.4	2.0
Ťw	3.8	1.4		iž	:0		6.0	7.4	4.3	6.4	4.0	7.5
W	C.0	5.7	1.4	.3	•0		15.1	7.8	22.2	13.3	10.4	16.1
NW	10.3	14.6	1.5	.1	•0		26,4	8.4	23.7	30.4	26.3	22.5
VÀR	.0	•0	•0	.0	.0		•0	.0	.0	.0	.0	.0
CALH	5.3						5.3	.0	4.3	6.3	1.8	4.5
TOT OBS	346	312	67	5	0	730		8.1	115	200	lis	214
TOT PET	47.4	42.7	9.2	.7	•0		100.0				100.0	

n	c	r		B	e	•	

PERIOD:	(PRIMARY)	1910-1972
	/OVER-ALL 1	1846-1972

TABLE	4
-------	---

AREA 0005 BANGKA ISLAND NORTHWEST .75 104.9E

ERCENTAGE	FREQUENCY	Q.F	MIND	SPEED	BY	HOUR	(GMT)	

HDUR	CALM	1-3	4-10		SPEED (		45+	MEAN	PCT FREG	TOTAL 085
00803	4.3	15.7	59.1	19.1	1.7	.0	.0	7.6	100.0	115
06609	6.3	14.9	58.3	18.8	1.7	.0	.0		100.0	289
12615	1.8	16.8	54.0	23.9	3.5	:0	.0		100.0	113
18621	6.5	9.3	53.3	27.6	3.3	.0	.0		100.0	214
TOT	39	100	411	162	18	Ö	0	8.1		730
PCT	5.3	13.7	56.3	22.2	2.5	٠٥	.0		100.0	

TABLE 5

TABLE 6

													1064 0					
P	CT FRE			CLOUD A		(EIGHTHS)		1	PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HEIG	HTS (	T,NH :	)4/8) JN	
WND U.R	0-2	3-4	5-7	8 & 085CD	TOTAL 085	CLOUD	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	8000+	NH <5/8 ANY HGT	
N	1.0	9.8	14.7	7.0		5.8	•0	• D	.0	1.0	5.9	•0	1.8	•0	•0	.0	23.7	
NE	1.0	1.8	7.5	6.2		6.1	•0	1.0	.0	.0	4.1	•0	.0	.0	•0	.0	11.3	
E	.0	1.0	1.0	.8		5.8	•0	•0	.0	•0	• 0	•0	·ŏ	. 8	•0	.0	2.1	
ŠE	.0	.0	1.0	. 3		7.2	•0	•0	ŏ	.0		• 5		.3	.0	.0	1.0	
S	.0	.0	1.0	•0		7.0	•0	•0	ŏ	•0	1.0	•0	.0	.0				
ŠW	.0	.0	.0	1.5		8.0	•0	•0	1.0	.3	.3	•0			•0	•0	•0	
ŭ	. 8	1.8	2.6	7.5		6.6	•0	•0	0	2.8				•0	•0	•0	•0	
ÑW	1.3	4.1	8.2			6.3	.0	•0	1.0	4.1	4.4	1.0	.0	•0	•0	•0	4.4	
VAR			.0						:		3.9	3.1	2.3	•0	•0	•0	11.1	
CALH	1.0	4.1				.0	•0	•0	•0	•0	•0	. • 0	•0	•0	•0	•0	•0	
TOT OBS	1.0		•0	1.0		3.8	•0	•0	•0	•0	•0	1.0	•0	•0	•0	•0	5.2	
	. :	. 22	35	35	•7	6.0	0	1	2		19	5	4	1	0	0	57	97
TOT PCT	5.2	22.7	36.1	36.1	100.0		•0	1 • 0	2.1	8.2	19.6	5.2	4.1	1.0	•0	•0	58.8	100.0

TABLE 7

## CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND YSBY (NH)

				VSBY (NE	1)			
CEILING	• CR	- CR	• OR	- DR	• DR	<ul><li>OR</li></ul>	<ul><li>08</li></ul>	* DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- CR >6500	.0	•0	.0	.0	.0	.0	•0	.0
. CR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >3500	2.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
■ DR >2000	7.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
■ DR >1900	22.0	28.0	30.0	30.0	30.0	30.0	30.0	30.0
■ DR >600	28.0	36.0	38.0	38.0	38.0	38.0	38.0	30.0
● DR >300	28.C	38.0	40.0	40.0	40.0	40.0	40.0	40.0
■ DR >150	29.0	39.0	41.0	41.0	41.G	41.0	41.0	41.0
• OR > C	29.0	39.0	41.0	41.0	41.0	41.0	41.0	41.0
TOTAL	20	10	41	Ai	A1	4.0	72.0	41

TOTAL NUMBER OF DBS: 100

(

PCT FREQ NH <5/8: 59.

## TABLE 7A

#### PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 (	085C0	OBS
.•	7.4	20.4	15.7	15.7	7.4	6.5	6.5	19.4	•0	108

PAGE 384

								000	Euger						
PERIODI	(PRIMARY) 1 (DVER-ALL) 1							TA	8 3 3 d				ARE	A 0005	BANGKA ISLAND NORTHWEST .75 104.9E
			P	ERCENT						URRENCE ALUES E				€ OF	
	(NH) VS&Y		N	NĒ	ŧ	SE	\$	S¥	¥	NW	VAR	CALM	PCT	TOTAL	
	<b>&lt;1/2</b>	PCP NO PCP TOT %	.0	.0	••	.0	••	•0	.0	•0	.0	•0	.0		
	1/2<	PCP NO PCP TOT \$	.0	.0	•0	•0	•0	•0	.0	•0 •2 •3	.0	•0	.0		
	1<2	PCP ND PCP TOT %	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	-		
	2<5	PCP NO PCP TOT %	.0	.0	.0	.0	•0	*0	1,2	.4 .8 1,2	.0	•0	1.2		
	5<10	PCP ND PCP TOT %	3.1 11.9 15.0	.0 2.4 2.4	.0 1.2 1.2	.0 1.0 1.0	2.7 2.9	.7 1.5 2.2	2.0 4.2 6.3	3.3 6.8 10.0	•0	.0 1.5 1.5			
	10+	PCP NO PCP TOT %	.6 16.7 17.3	1.2 7.8 9.0	.0 1.8 1.8	.2 1.6 1.8	•2 1•5 1•7	•1	1.4 5.6 6.9	.6 11.9 12.5	•0	2.3 2.3	49.4		
		TOT DAS	37.8	17.2	3.0	2.8	4.4	2.5	14.4	23.8	.0	3.9	100.0	259	

TABLE 9

			J	ERCENT	FREQ	OF WIR	D DIR VAČUE	ECTION S OF V	VS WII	ID SPE	ED		
VSSY (NH)	SPD	N	NE		SE	\$	<b>S</b> ₩	¥	NH	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	٠,0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	٠,	.0	, a		.0	
	11-21	٠0	.0	.0	.0	.0	.0	.0	.0	.0		٠٥.	
	22+	.0	•0	.0	•0	• 0	.0	.0	.0	.u		.0	
	TOT #	•0	•0	•0	•0	•0	•0	.0	•0	.0	•0	.0	
	0-3	.0	•0	•0	•0	.0	•0	.0	.0	۰.	.0	.0	
1/2<1	4-10	.0	•0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	. 3	•0	.0	•0	•0	.0	.0	-1	.0		. 4	
	22+	øG.	*0	•0	•0	•0	•0	۰.	•0	.0		.0	
	TOT \$	.3	•0	•0	•0	.0	.0	.0	• 2	•0	,0	. 4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.1	• 1	.0	•0	.0	.0	.0	.0		.z	
	11-21	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	• 0	.0	•0	.0	.0	.0	.0		.0	
	TOT %	•0	•1	• 1	•0	•0	.0	•0	.0	•0	•0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.4	
2<5	4-10	• 2	. 2	• 0	• 0	•0	•0	• •	.7	• 0		1.5	
	11-21	•0	.4	• 0	.0	•1	- 1	• •	•0	.0		1,1	
	22+	•0	:0	• 0	•0	•0	• 0	. • 0	•0	•0	_	.,0	
	TOT %	• 2	•7	.0	•0	•1	-1	1.1	.7	.0	. 2	3,1	
	0-3		٠,	.2	.0	. • 7	2	3	. 3	.c	1.1	.3.2	
5<10		5.5		.4		1.0	1.0	3.1	3.4	•0		10.0	
	11-21	2.7	1.1	•1	•0	•0	:1	• ?	2.3	.0		7.0	
	22+	0	. • 2	•0	•0	0	. • ‡	. • 1		.0		7	
	TOT S	9.1	1.9	, 8	. 8	1.0	1.4	4.2	6.7	•0	1.1	27,6	
	0-3 4-10	1.5	1.1	. • •	•	1.3	?	1.0	2.0	.0	2.8	12.5	
10+		12.2	6.9	1.0	• •	• •	1.4	6.1	14.2	•0		42.7	
	11-21	4.3	2.6	•1	•1	.1	• •	1.1	2.5	.0		13,1	
	22+ TOT \$	20.5	10.0	1.5	1.4	1.9	2:0	a. 8	18.7	:8	2.8	48,7	
	TOT GAS												457
	TOT PCT	30.1	13.2	2.4	2.1	3.6	4.2	14-1	26.1	•0	4.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1910-1972 (OVER-ALL) 1856-1972

TABLE 10

AREA 0005 BANGKA ISLAND NORTHWEST .78 104.9E

# PERCENT FREQUENCY OF CEICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	9500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	•0	3.7	11+1	18.5	•0	3.7	3.7	.0	•0	40.7	59.3	27
90360	.0	.0	•0	8.6	22.9	8.6	5.7		.0	•0	45.7	54.3	35
12615	٠.	3.7	3.7	3.7	22.2	3.7	.0	.0	.0	•0	37.0	63.0	27
18221	.0	.0	.0	5.9	5.9	5,9	5.9	•0	.0	•0	23.5	76.5	17
TOT	0	1	1.9	7.5	20	5	3.0	. 1	0	0	41	61.3	100

TABLE 11

TABLE 12

PERCENT FREQUENCY VSBY (NX) BY HOUR								CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/ CEILING HGT (FEET,NM >4/8),8Y HOUR							
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GNT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS	
00603	.0	.0	.0	3.5	27.9	68.6	86	00403	•0	3.8	19.2	23.1	57.7	26	
90360	.0	.6	•0	3.5	27.7	ó8.2	173	90360	•0	•0	8,6	36.2	52.9	34	
12615	•0	•0	.0	1.2	28.9	69.9	83	12615	•0	7.7	15.4	23.1	61.5	26	
18621	.0	.7	.7	2.8	35.2	60.6	142	18221	•0	•0	7.1	21.4	71.4	14	
TOT PCT	.0	.4	.2	14 2.9	146 30.2	321 66.3	484 100.0	TOT PCT	.c	3.0	13.0	28 28.0	59 59.0	100	

TABLE 13								TABLE 14												
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP									PERCENT FREQUENCY OF WIND DIRECTION BY TEMP											
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT FREQ	N	NE	E	SE	\$	SW	W	NW	VAR	CALM
85/89 80/84 75/79	.0	.0	.0	.0	.0	4.9	1.0	,5	13	6.4	2,2	1.0	.5	٠.	.0	.0	.0	2.2	.0	.5
80/84	.0	.0	.0	.0		16.2		12.7	154	75.5	25.2	7.4	2.0	2.2	4.4		8.6	19.0	.0	4.4
75/79	.0	.0	.0	.0	. 0		8.3	9.3	37	18.1	4.2	2.7	•0	1.2	.5		4.3	4.4	.0	.0
TOTAL	0	0	٥	0	. 0	44	114	46	204	100.0		-	_	-						
PCT	-0	•0	.0	•0		21.6	55.9			•	31.6	11.0	2.5	3.4	4.9	3.2	12.9	25.6	•0	4.9

(·

	TARLE 15													TABLE	16			
	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEM	PIDE	G F) 6	Y HOUR		PERC	ENT FRE	CHENCA	OF RELA	TIVE H	YTIGIPU	BY HOUR	
HOUR (GHT)	MAX	991	95%	50%	54	1#	HIN	MEAN	TOTAL	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603 06609 12615	86 91	84 89	83 86	80	76 77	74 73	74 72	79.8 81.8	118 287	0300 0300	.0	•0	•0	10.3	56.4 48.7	33.3 20.5	87 83	39 78
18821	87 84	86	84 82	81 80	77 77	75 74	75 74	81.0 80.2	118 214	12615 18621	.0	•0	2.0	13.8	57.1 60.0	24.5 26.2	85 86	49 65
TOT	91	87	85	81	77	74	72	80.9	737	TOT	0	0	1	45	127	58	85	231

PAGE 384

O

DECEMBER

PERIOD: (PRIMARY) 1910-1972 (OVER-ALL) 1856-1972

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST .75 104.9E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT		#J
THP DIF	76	80	84	89	92	10.	FÖS	FCS
1 10 341		•••	•	••				
11/13	.0	.0	.5	٠,٥	.0	1	.0	.5
7/8	.0	•0	. 9	, 9	.0	3	.0	1.4
5	.c	• 0	. 5	1.4	. 0	Ä	•0	1.8
	.0	.0	. 5	. 9	.5	4	. 5	1.4
à			. 9	1.4	.0	Š	.0	2.3
4 3 2		. 9	3.6	9	.0	12	•0	5.4
ī			6.8	٥	.5	16	. 5	6.6
2		3.6	10.4	1.4	·ŏ	34	.0	15.4
-1	.0	7.7	12.7	• •	•0	47	1.4	19.9
-2	٠.	8.6	6.1	.0	.0	37	• 0	16.7
-3	.5	5.4	3,6	. 0	.0	21	•0	9.5
-4	. 5	0.8	. 9	.0	.0	1.6	• 0	8.1
-5	. ,	2.3	1.8	. 0	.0	11	٠.	5.0
-6	. 5	.5	·.c	Ċ	.0	- 2	•0	. 9
-7/-8	. 5	1.4	. 9	ė	.0		.0	2.7
		•••		• •	1	•	•	
TOTAL	6		115				,	216
		83		16	_	22:		_
9C T	2.7	37.6	52.0	7.7	. 5	100-0	2.3	97.7

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

				<b>»</b> c	T FRED D	F WIND	SPEED	(KTS) AND DIR	ECTION V	ERSUS &	EA HEIG	HTS (FT)	ı	
HGT	1-3	4-10	11-21	22-93	34-47	48+	PCT	1-3	4=10	11-21	22-33	34-47	48.	PCT
<1	4.7	.0	.0	.0	.0	.0	4.7	٠.	2.3	.0		•0	.0	2.3
1-2	Ċ	11.6	13.4	. 6	.0	.0	25.0	.0	2:3	4,7	.5	.0	.0	7.0
3-4	.ŏ	.0	8.1	.ŏ	.0	.0	8.1	.0	2,3	5.2	.0	•0	. 0	7.6
5-6	.0	.0	2.3	.0	.0	.0	2.3	.0	.0	.0	.0	•0	.0	.0
7	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	•0	.0	.0
8-9	.0	.0	.0	.0	.0	• 0	.0	.0	•0	.0	.0	•0	.0	.0
10-11	.0	.0	•0	.0	•0	•0	.0	•0	.0	•0	.0	• 0	•0	.0
12	.0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0
13-16	.0	.0	•0	.0	•0	•0	•0	.0	•0	•0	•0	• 0	•0	.0
17-19	.0	.0	•0	.0	•0	•0	•0	•0	.0	.0	•0	•0	• 0	•0
20-22	.0	.0	•0	.0	••	•0	.0	•0	•0	•0	•0	٠٥	.0	.0
23-25	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	•0	• 0	.0	.0
26-32	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	.0	•0	٠٥.	•0
33-40	.0	.0	•0	.0	•0	•0	•0	•0		•0	•0	•0	•0	.0
41-48	.0	.0	•0	.0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0
49-40	•0	•0	•0	.0	.0	•0	•0	•0		•0	.0	•0	٠.	.0
61-70 71-86	•0	•0	•0	.0	•0	•0	•0	•0		•0	•0	•0	•0	.0
	•0	• 5	•0	.0	•0	•0	• 0	•0		•0	.0	•0	•0	
87+ TOT PCT	4.7	11.6	23.6	.0	•0	.0	40.1	.0		4.9	•0	•0	.0	.0 16.9
181 761	4.7	11.0	23.0	••	••	••	40.1	•0	,,,,	,7	•0	••	••	10.4
				_										
HGT	1-3	4-10	11-21	E 22-33	34-47	43+	PCT	1-3	4-10	1:-21	5E 22-33	34-47	48.	PCT
<1	•0	4.7	•0	٠.	•0	•0	4.7	.0	.0	.0	-0	•0	•0	.0
1-2	.0	.0	•0	•0	•0	• 0	•0	2.3		•0	•0	•0	.0	2.3
3-4	•0	.0	•0	.0	.0	•0	•0	•0		•0	•0	•0	•0	.0
5-6	٠.	.0	•0	.0	•0	٠0	•0	•0		•0	•0	•0	•0	.0
7_	.0	•0	•0	•0	•0	. 5	•0	•0		.c	•0	• 0	•0	•0
1-7	.0	۰.	•0	.0	.0	-0	•c	•0		.0	•0	•0	•0	•0
10-11	•0	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0
12	•0	•0	•0	•0	• 0	• 0	•0	•0		•0	•0	•0	•0	•0
13-16	•0	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0
17-19	••	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0
50-55	•0	•0	•0	•0	•0	•0	•0	•0	:0	•0	•0	•0	•0	•0
23-25	•0	.0	•0	.0	•0	•0	•0	•0		•0	,0	•0	•0	•0
24-32	•0	.0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0
33-40 41-48	• 0	•0	•0	•0	•0	•0	•0	•0		**	•0	•0	•0	•0
49-40	.0	•0	•0	•0	.0	•0	•0	40		•0	•0	•0	:0	.0
61-70	.0	.0	•0	.0	••	.0	•0	•0		•0	•0	.0	.0	.0
71-66	.0	.0	•0	.0	.0	•6	•0	•0		.0	.0	••	:0	ě
47+	.0	.0	•0	:0	•0		•0			•0		•0		.0
TOT PCT	.0	4.7	•0	.0	.0	.0	4.7	2.1		.0	.0	•0	.0	2.3
101 -61	••	/	•0	• 0	••	••	,	211		•0	• 0	••	••	,

DECEMBER	AREA DODS BANGKA ISLAND NORTHWEST
TABLE 18 (CONT)	.75 104.9E

MET BREN DE MIND CREEN (KTC) AND DIRECTION VERSUS SEA HEIGHTS (ET)

pet pred of wind speed (KTS) and direction versus sea heights (FT)															
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	•0	•0	.0	•0	•0	•0	•0	.0	.0	•0	.0	.0	
1-2	•0	.0	•0	•0	•0	.0	.0	•0	2.3	.6	.0	•0	.0	2.9	
3-4	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	.0	
5-6	•0	.0	•0	•0	•0	40	•0	•0	•0	. •	•0	•0	.0	, t	
7_	•0	.0	.0	.0	.0	.0	•0	•0	• 9	.0	.0	•0	•0	0	
8-9	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	
10-11	.0	•0	•0	•0	•0	•0	•0	• 0	•0	•0	.0	٠ç	٠,	.0	
12	•0	•0	•0	.0	• 0	•0	•0	•0	• 0	.0	.0	•0	.0	:8	
13-16	۰۵	•0	•0	•0	•0	•0	•0	•0	.0	•0	.0	•0	, ( , C	:6	
17-19	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	;;	.0	
20-22 23-25	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	:0	:0	:6	
20-22	:0	.0	•0	.0	.0	.0	.0	•0	.0	•0	.0	.0		.8	
33-40	.0	.0	•0	••	.0	.0	•0	•0		•0	.0	:0	:0	ĕ	
41-46		.0	.0	•0	.0	.0	.0	.0		:0	:0		iŏ		
49-60		:	:0	:0	:0	:0		.0	.0	:0	:	.5	:ŏ	ě	
61-70	.ŏ	.0		.0	.0		٠٥	.0	.0					.0	
71-86	.5	:ŏ	.0	:		.8		ŏ			ě	:6	iŏ		
67+			.0	.0	.0			ě	.0			.0	.0	.0	
TOT PCT			.0		۰٥		.0	.0	2,3	1.2		.0	.0	3,5	
				w							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	41+	PCT	1-3	4-10	11-21	22-33	34-47	49+	PCT	PCT
<1	.0	.0	•0	.0	.0	•0	•0	•0	2.3	•0	•0	•0	.0	2.3	
1+2	.0	.0	1.7	.0	.0	•0	1.7	•0	7.0		•0	•0	.0	7.0	
3-4	.0	.0	4.1	.0	•0	•0	4.1	•0	2.3	5,8	•0	•0	•0	8.1	
5-6	•0	.0	1.7	•0	•0	•0	1.7	•0	•0	٠.	• 0	•0	•0	•0	
7	•0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	٠,	•0	
1-7	•0	•0	•0	•0	•0	•0	•0	•0	• 0	•0	•0	•0	•0	.0	
10-11	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	
12	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0	•0	.0	.0	.0	
17-19	.0	.0	۰۲	•0	.0	•0	• •	•0	.0	.0	•0	.0	:8	.6	
20-22	.0	3:	.0	•0			•0	•0	:0	•0	٠0	:0	.8		
23-25	:0	:6	:0	.0	.0	•0	•0	.0	ö	.0	.0	.ŏ	:6	ĕ	
26-32	č		:0		.0	.0	.0	ï		:0			:8	ŏ	
33-40		.ŏ	•0	:0	:0	:ŏ	.0	.0	:0	.0	.0	:0	:ŏ		
41-48	.0	.0	.0		.0	.0	:0	.0	.0	:0	.0	.0	:8		
49-60	.0	.0	:0	:0	:8		.0	.0	ě	:0	:0	ě			
61-70	.ŏ			.0			č	:ŏ	ŏ			.0	:5	ě	
71-86			.0					ŏ	:0	ě		ŏ		ŏ	
87+		.0		.0						.0	.0	ŏ		.0	
TOT PCT	.0	.ŏ	7,6		.0		7.6	ě	11.6	4.4		.0		18.0	93.0
	••	•••			•••	•••	7.00	••			•••	• •	•••		

MIND	SPEED	(KTS)	٧S	4EV	HEIGHT	(PT)

HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	17.4	8.7	.0	.0	.0	.0	26.1	083
1-2	2.2	21.7	17.6	•0	٠.	•0	43.5	
3-4	.0	4.3	21.7	.0	•0	.0	26.1	
5-6	.0	.0	4.3	.0	.0	.0	4.3	
7	.0		•0	.0	.0	.0	.0	
1-1	.0	.0	.0	, o	.0	.0	.0	
10-11	.0	.0			.0	.0	.0	
12	.0				.0	.0		
13-14	:0			ě	.0			
17-19	.0	•0			•0	.0	.0	
20-22	.0	.0	•0	.0	•0	.0	.0	
23-29	.0			.0	.0	.0	.0	
26-32	.0		.0		•0	.0	.0	
33-40	.8		·ŏ	.č	.0	.0		
41-48		:ŏ				.0		
			•0	•0				
49-60	•0	•0	•0	•0	.0	.0	.0	
61-70	•0	•0	•0	•0	.0	.0	•0	
71-86	•0	•0	•0	.0	•0	.0	•0	
874	.0	.0	•0	•0	.0	.0	.0	
					_			46
TOT PET	19.6	34.8	45.7	•0	.0	.0	100.0	

PERIODI (OVER-ALL) 1949-1972 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (PT) VS WAVE PERIOD (SECONDS) 87+ TOTAL HEAN HOT ... 50 2 ... 13 4 5 ... 1 5 ... 0 0 ... 0 ... 0 ... 0 ... 0 ... 1 5 ... 0 ... 0 ... 0 ... 1 5 ... 0 ... 0 ... 0 ... 1 2 1 ... 0 ... 80 3 ... 100.0 PERIDD <1 (5EC) (6 6-3 6-7 .0 8-9 .0 10-11 .0 12-13 .0 13-13 .0 100ET 11-3 TOTAL 14 PCT 17-5 22.5 2.5 1.3 .0 .0 .0 3.8 32 40.0 21.3 5.0 .0 .0 .0 .0 .0 21 24.3 1.3 6.3 2.5 1.3 .0 .0 1.3 .0 .0 .0 .0 .0 2.5 ....... •••••••

PAGE 388

( (

PERIOD: (OVER-ALL) 1963-1972

TABLE 1

AREA 0005 BANGKA ISLAND NORTHWEST

PERCENT	FREQUENCY C	F WEATHER	OCCURRENCE	RV MIND	DIRECTION

			1	RECIPS	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN Shur	ORZL	FRZG PCPN	SHOR	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HGUR	THOR LTNG	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLNG DUST BLNG SNOW	NO SIG WEA
N NE E S S S S W N V AR C AL	3.9 5.7 3.6 1.8 3.4 8.3 13.6 5.1	8.0 5.5 2.5 2.3 7.8 6.6 3.4 5.7	.5 .4 .1 .3 1.0 1.2	••••••••	00000000000	••••••••	.0 .2 .0 .0 .2 .2 .2 .0 .0	12.4 11.5 6.6 4.5 11.5 15.5 18.1 11.9	.4 1.6 .9 .6 2.3 4.3 5.6 1.2	5.1 5.2 3.2 2.0 1.6 4.4 3.6 4.6	6.9 3.8 2.2 1.6 3.2 2.8 .9 1.3	.00000000000000000000000000000000000000	4.9 2.2 1.3 2.1 .8 .0 2.0	.0 .0 .0 .1 .0	70.5 76.2 86.1 85.4 81.1 73.0 70.7 81.1
TOT PCT	4.1 3615	4.5	,5	.0	•0	.0	•1	9.2	1.7	3.1	2.2	•0	1.4	•	82.8

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	4.9 4.7 3.2 5.0	5.6 7.0 2.4 4.8	.6 .4 .6	.0	.0	.0	.0 .1 .1	11.1 12.1 6.3 10.7	1.9 1.9 1.0	.5 1.1 4.0 7.6	1.8 2.3 2.4 3.4	•0	1 • 2 2 • 1 • 5 1 • 8	•0	83.6 81.1 86.3 75.8
TOT PCT	4.5	5.1	.6	.0	•0	•0	•1	10.2	1.6	3.4	2.5	•0	1.4	•	81.3

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3	WI! 4-10	ND SPE 11-21	55-33 ED (KN	34-47	48+	TOTAL Ous	PCT FREQ	MEAN SPD	co	03	06	HOUR OP	(GHT) 12	15	18	21
N Ne E Se	1.6 1.6 2.3	9.5 6.5 6.2 14.6	9.9 1.4 .7 9.7	.2 .1 •	•0	•0		15.4 9.6 8.6 20.6	6.7 6.6 6.1 6.3	13.2 7.8 7.2 23.6	17.2 3.8 4.1 22.9	13.6 6.9 6.3 20.3	9.7	18.4 11.3 10.7 19.6	17.5	16.9 12.8 10.5 20.2	9.5
S Sw Nu	2.2 1.3 1.3	9.4 4.7 4.1 6.9	1.9 .8 .9	.1 .1	:	••		13.5 6.9 6.5	6.5 6.8 7.5	15.2 8.7 7.4	15.1 10.6 10.5	15.6 8.4 9.0	14.1 6.1 6.0	11.0 5.2 4.7	10.6 3.6 2.9	11.0 5.3 4.6	14.3 7.6 6.4
VAR CALH TOT OBS	.0 8.2	.0			.5	•0	11351	10.6 .0 8.2	7.0	10.7 .0 6.1 1712	9.2 .0 4.6 102	12.5 .0 7.4 2450	7.1	9.7 .0 9.4 2027	5.3 .0 2.7 101	8.3 .0 10.4 1848	9.4
TOT PCT	22.0	61.9	15.3	.7	•	٠.		100.0	•••				100-0				

TABLE 3A

WHD DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00	H0UI 00 09	R (GHT) 12 15	18 21
H HE E SE S S W VAR CALM TOT OAS TOT PCT	6.4 5.0 5.2 9.3 7.1 4.1 3.6 5.0 0.2	7.8 4.2 3.4 10.8 6.1 2.5 2.4 5.2	1.3 .3 .1 .5 .3 .4 .4	.0		11351	15.4 6.6 70.6 13.5 6.9 6.5 10.6 .0	6.7 6.6 6.3 6.5 6.8 7.5 7.0	13.4 7.8 7.0 23.6 15.2 8.7 7.6 10.7 .0 6.0	14.9. 8.0 7.1 19.9 15.0 7.5 7.8 12.0 7.3 4015 100.0	11.3 11.0 19.8 11.0 5.1 4.6 9.6 9.1 2128	15.3 11.3 9.8 20.4 12.5 6.4 9.0 .0 9.9 3394

ANNUAL

PERIOD: (PRIMARY) 3908-1972 APEA 0005 BANGKA ISLAND NORTHHEST (OVER-ALL) 1854-1979 TARLE 4 .75 105.0E

PERCENTAGE FREQUENCY OF WIND SPEED BY MOUR (GRT)

WIND SPEED (KNOTS)
HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ OBS

00603 6.0 14.2 69.5 16.0 .4 .0 .0 6.9 100.0 1814
00609 7.3 14.5 00.6 16.6 .9 * .0 7.1 100.0 4015
12615 9.1 13.6 62.1 14.4 .5 * .0 6.7 100.0 2128
18221 9.9 12.7 62.5 14.1 .7 .1 .0 6.7 100.0 3394
707
PCT 8.2 13.8 61.9 15.3 .7 * .0 100.0 100.0

TABLE 5

P	CT FRE			LOUD A		(EIGHTHS)		,			REQUEN							
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	PEAN CLOUD COVER	000 149	150 294	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	2,3	3.8	7.6	3.9		4.1	•	.0	.1	.7	2.3	1.0	.7	• 1	-1	.2	12.6	
NE	1.7	2.3	3.6	1.9		5.2	•	• 1	•1	.4	1.4	.5		• 1	• 1	.1	6.9	
E	1.9	2.6	2.3	1.4		4.7	•0	• 0	.0	.6	. 5	. 5	•	• 1	.0	. 1	6.2	
SE	4.6	4.8	8.7	3.6		5.4	• 1	• 0	.1	1.0	1.7	1 . 2	.4	.3	•0	.2	16.6	
Š	2.4	3.2	6.2	2.9		4.7	.0	• 1	. 1	. 3	1.6	1.1	. 5	• 1	•0	• 1	10.8	
SW	. 5	.7	2.5	1.9		6.1	• 1	.0	.1	. 4	1.3	. 7	.2	•1	•0		2.0	
<u>.</u>	.4	1.0	3.1	2.2		6.0	• 1	•0	. 1	.8	1.5	. 4	.1	• 1	.0	.0	3.8	
ÑW	.7	2.0	3.5	3.4		5.1	•0		ii	1.1	1.1	1.0	. 5	• i		. 2	5.5	
VAR	.0	-0	.0	.0		.0	•0	.0		. č			.0	• 0	.0	.0	•0	
CALM TOT OBS	1.3	2.1	2.1	.9	1376	4.9 5.2	•0	•0	,1	• 2	.6	.3	.2	•0	•0	.1	4.8	1378
TOT PCT	15.7	22.7	39.7	21.0	100.0	- • •	.3	. 2	. 8	5.6	11.8	6.6	2.7	.8	•1	.9	70.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF RIMULTAMEDUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NX	1)			
CEILING	■ DR	• OR	. OR	a fig.	• OR	■ OR	n OR	■ DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
● DR >5000	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >3500	3.7	4.0	4.7	4.7	4.7	4.7	4.7	4.7
# DR 32000	9.2	11.0	11.3	11.3	11.3	11.3	11.3	11.3
. DR >1000	18.4	22.0	23.0	23.1	23.1	23.1	23.1	23.1
● DR >600	22.4	27.1	28.3	28.6	28.7	28.7	20.7	28.7
● DR >300	22.5	27.8	29.1	29.4	29.5	29.5	29.6	29.6
• OR >150	22.6	27.9	29.2	29.6	29.7	29.7	29.7	29.7
- 00 > 0	22.4	30 1	30 8	34	10.0	30.0	30.0	30.0

TOTAL NUMBER OF OBS: 1407 PCT FFEQ NH 45/81 70.0

TABLE 7A
PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 4.8 15.1 22.3 15.7 12.2 8.1 7.5 5.2 9.0 .0 1525

PAGE 390

PERIOD:	(PRIMARY)	1908-1973
	(OVER-ALL)	1854-1973

TABLE 8

AREA 0005 BANGKA ISLAND NORTHWEST .78 105.0E

	1	PERCENT	FREQ PRE	OF WIN	ID DIRE	CTION Th Var	VS DCC	URRENC VALUES	E OR M	IBILI	CURRENC TY	E OF
	h	NE	E	SE	5	Sw	w	NW	VAR	CALM	PCT	TOTAL
PCP	-0	-0	۰.0	.0	.0	. 0	. 0	.0	•		•	003
ND PCP												
TOT \$	.0	.0	.0	•	.0	•0	ò	.0	ě			
PCP		.0	.0	.0	.0	.0		.0	.0	-0		
NO PCP	. 1		•					'`•				
TOT %			•				. 1					
	• • •	• • •		•••	-		•••		7.0		• •	
PCP	.1	.0	•	•	.0	40			. 0	_	. 9	
ND PCP			- 1	. 3			•	•				
TOT \$		. 1	. 1				.1	- 1				
			-	-			• •	• • •	••	••	•••	
PCP	•	•		. 1	•1	٠i	. 2	. 1	-0		. 6	
NO PCP	. 1	. 1	.1	. 1								
70T %	.1	.1	.1			. 7						
							•-	••	•••	•••		
	1.3		.4	.6	.5	.6	.7	1.4	.0	. 2	6.3	
	5.0	3.3	3.1	8.9	3.8	1.5	1.8	3.4				
TOT &	7.0	4.0	3.4									
				•	•-	- •	- •	•	••	•••	• • • •	
	. 3	.3	.1	• 2	.3	.,	.3	. 3	.0		2.0	
	9.2	5.4	4.8	13.4	8.2	3.0				3.0		
TOT %	9.5	5.7	4.9	13.6	8.5	3.2	3.7	5.5	.0			
TOT DBS												
TOT PCT	16.9	10.0	8.6	23.8	13 - 1	5.4	6.6	10.6	•0	4.0	100.0	3614
	NO PCP TOT % PCP TOT % PCP TOT % PCP NO PCP TOT % PCP NO PCP TOT % PCP NO PCP TOT % PCP TOT %	PCP .0 ND PCP .0 TOT % .0 TOT % .0 PCP .1 TOT % .1 PCP .1 ND PCP .2 PCP .0 ND PCP .1 TOT % .2 TOT % .3 TOT 085	PCP .0 .0 .0 TOT \$ .1 .1 TOT \$	PREC PREC PREC PREC PREC PREC PREC PREC	PRECIPITAT  N NE E SE  PCP	PRECIPITATION WI    NE   E   SE   S	PRECIPITATION WITH VAR  NE E SE S SW  PCP	PRECIPITATION WITH VARYING V  NO PCP	PRECIPITATION WITH VARYING VALUES OF THE PROPERTY OF THE PROPE	PRECIPITATION WITH VARYING VALUES OF VIS  N NE E SE S SW W NM VAR  PCP	PRECIPITATION WITH VARYING VALUES OF VISIBILIAN NEEDS OF VISIBILIA	PRECIPITATION WITH VARYING VALUES OF VISIBILITY  N NE E SE S SM M NM VAR CALM PCT  PCP .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

TABLE 9

							TABLE	7					
				PERCE	NT FREE	O OF WI	NO DIR	ECTIO	N VS WI	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	ε	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	•	.0	.0	•	.0	.0	.0	.0	.0	.0	•	
<1/2	4-10		.0	•		.0	.0	.0		.ŏ	•-	•1	
	11-21	.0	•0	.0	•0	•0	.0	٠.	.0	.0		.0	
	22+	.0	•0	•0	•0	•0	.0	.0	.0	.0		.0	
	TOT \$	•	•0	•	•	•0	.0	.0	•	.0	.0	.1	
	0-3	.0	.0	•0	.0	•0	.0	.0	.0	.0			
1/2<1	4-10	.0		•		• 1		•	.0	.0		.2	
	11-21	•	•	•0		•0	:0	.0	•	.0		.1	
	22+	•0	•0	•0	•0	•0	.0	•	.0	.0		•	
	TOT \$	•	-1	•	•	•1	•	•	•	.0	•	.3	
	0-3	•	•0	.0	.0	•	•	.0	•	.0	.1	.1	
1<2	4-10	-1	•	•1	.1		•		• 1	.0		. 4	
	11-21			•0	• 1		.0	.0	•	.0		.2	
	22+	•0	.0	•0	•0	.0	•0	•0	.0	.0		.0	
	TOT %	•1	•1	•1	• 2	•1	-1	•	•1	• 0	•1	. 3	
	0-3	.0	•			•	•	•	•	.0	-1	.3	
2<5	4-10	•1	•	• 1	• 1	•1	- 1	• 1	.1	.0		.7	
	11-21		•	•	• 1		•	.1		٠.		. 4	
	22+	•	•	•0	•0	•0	•0	•0	•	-0		•	
	TOT \$	•1	•1	•1	•2	•2	.2	•2	.2	.0	•1	1.4	
	0-3	.4	. 3	.4	-4	• 4	•2	.2	.4	.0	1.1	3,9	
5<10	4-10	2./	1.5	1.9	. 9	1.7	1.0	1.1	1.0	.0		15.1	
	11-21	1.0	.5	.2	1.3	.5	.1	.2		.0		4.6	
			•	*	:	- :				.0		. 2	
	TOT \$	4.2	2.4	2.0	5.7	2.7	1.3	1.6	2.4	•0	1.1	23,8	
	0-3	1.4	1.1	1.2	1.7	1.6	1.0	. 9	1.1	.0	6.5	16.5	
10+	4-10	7.1	4.9	4.4	11.9	7.6	3.4	2.8	5.3	.0		47.4	
	11-21	2.4	.9	.5	2.5	1.4	.3	. 4	1.0	.0		9.5	
	22*	• 1	. •	0	•	•	•		_ •	.0		.2	
	TOT \$	11.0	4.9	6.1	10-1	10.6	4:7	4.1	7.4	•0	6.5	73.6	
	280 TO		_										6678
T	07 PCT	15.5	7.5	8.3	22.3	13.6	6.3	6.0	10.6	•0	7.9	100.0	

4	N	N	IJ	4	ı

PERIOD: (PRIMARY) 1908-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0005 BANGKA ISLAND NORTHHEST .75 105.0E

PERCENT	FREQUENCY OF	CEILING	HEIGHTS	(FEET, NH	>4/81	AN
	DCCURRE	NCE OF K	4 <5/8 BY	HOUR		

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00463	.2	. 3	.5	5.4	11.8	7.2	2.4	1.5	.5	. 5	30.6	69.4	382
90360	.3	•0	.5	6.0	13.4	7.4	1.9	1.0	.0	. 9	31.3	68.7	363
12415	.2	. 3	1.0	3.5	11.4	4.7	2.9	.0	.0	1.0	25.0	75.0	434
18621	.3	•0	1.6	6.0	7.7	5.3	3.2	.6	.0	1.3	25.9	74+1	311
TOT PCT	.3	•1		5.3	11.2	6.2	2.6		.1	. 9	28.3	71.7	1490

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V58Y	(NH)	BY HOUR		CUMULAT					VSBY (NH)	
HOUR (GMT)	<1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL DBS</th> <th>HOUR (GMT)</th> <th>&lt;150 &lt;50YD</th> <th></th> <th>&lt;1000 &lt;5</th> <th></th> <th>NH 45/8 AND 5+</th> <th>TOTAL OBS</th>	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD		<1000 <5		NH 45/8 AND 5+	TOTAL OBS
00603	.3	.3	1.0	1.5	24.5	72.5	1228	60203	•2	1.1	7.1	24,7	65.2	165
90360	•1	.5	1.0	1.2	25.0	72.2	2186	90360	.3	.7	9.0	21.2	66.8	40
12615	•1	.3	.5	1.5	22.5	75.1	1467	12615	•2	1.9	0.6	19.8	73.4	213
18621	•1	.3	.9	1.4	28.3	69.0	2097	18221	.3	2 - 1	9.5	10.0	71.4	285
TOT	.1	.3	. •	1.4	25.3	72.0	6978 100-0	TOT PCT	.3	1.4	<b>5.</b> 1	22.0	69.9	1407

TARLE 13

TABLE 14

	PERCENT PREDUENCY OF PELATIVE MUNIDITY BY TEMP											PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N 84 T	EMP	
TEMP F	0-29	30-34	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	4	NE	E	SE	S	SW	w	NW	VAR	CALM
90/94 85/89 80/84 75/79 70/74 TOTAL	.0	.0	•0	•0	.9 •1 •0	23.0	5.2	9.3 5.4 •1	2817	11.7 76.4 11.3 .1	1.3 13.1 2.4 .0	.1 .9 7.6 1.2 .6	••	1.1 .C	1.8 9.8 .9 .1	.1 .4 3.2 1.0	.0 .3 4.3 1.9	7.5 2.3	.00000	.1 .7 4.1 .1 .0
PCT	••	•0	•0		2.0	30.5	21.2	15.2			10.0	y.•	7.2	2440	1647		0.7	10.7	••	3.0

T#3LE 19

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	SY HOUR	
HGUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00403	.0	,2	1.0	22,5	55.0 40.1	21.4	84 80	632
12815	.0	•0	1.7	31.8	52.7 59.6	13.4	82 84	673 879
TOT	0	3	84	904	1585	494	83	3070

PAGE 372

C = C

}

ANNUAL

PERIODI (PRIMARY) 1908-1973 (OVER-ALL) 1954-1973

TABLE 17

AREA 0005 BANGKA ISLAND NORTHWEST .75 105.0E

PCT FRPO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

٧3	WIV-	354	EAPE			CHEMCE	(DEG F)		
AIR-SEA	69 72	73 76	77 80	81 84	85 83	89 92	TUT	# FNG	₽0G ₩0
11/13	.0	.0	.0	.1	.0	•	3	.0	•1
9/10	·v	.0	.õ	, î	. 5	•1	6	.ō	• 2
7/8	·é	•0	.0	. 2	• 2	. 2	20	.0	.6
	.0	• 0		.1	. 2	. 2	18	.ŏ	.6
6	.ŏ	.0	.0	. 3	.5	.3	33	.0	1.1
Ĭ.		•0	.1	. 5	1.3	. 2	62	•1	2.0
1	.5	.5	٠,	. 6	1.3	''	57	- 1	1.9
3 2	:0		.i	3.7	2.3	.2	188	•1	6.2
i	:ö	.0	::	5.7	2.1		245	:4	7.8
ô	:0	·ŏ	2.1	14.9	3.0	.0	597		19.3
	.0	•1	3.6	14.2	.,	•0	364		18.2
-1			3.9		- :4	•0	518	.3	16.9
-2	•0	• 1		12.				.2	A.1
-3	•0	• 1	2.6	5,3	• 3	•0	245		
-4	.0	• 1	3.4	3,6	٠2	•0	222	-1	7.2
-5	.0	• 2	2.0	1.9	• 0	•0	119	•	4.0
-6	•0	- 1	. 0	. 5	• 0	•0	37	•	1.2
-7/-8	•0	• 2	1.1	. 4	.0	•0	49	.0	1.6
-9/-10	.0	• 1	.1	•	•0	•0	7	•0	• 2
-11/-13		•0		•	•0	•0	3	•0	• 1
TOTAL							2994		
PCT		1.0	20.3	64.6	12.8	1.3	100.0	2.5	97.5

PERIUD: (DVER-ALL) 1963-1973

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
26-32
24-68
49-60
61-70
71-86
87-70
71-70 1-3 SE 22-33 MGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
24-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 1-3 

									ANNUAL				4.154		0.45) = 1/4	
PERIUD:	COVE	R-ALL 3	1463-1	,973				TABLE	18 (CONT)				AHEA	0005	.75 105	ISLAND NORTHWEST .OE
				PC	T FREG (	F WIND	SPEED	(KTS)	AND DIREC	TION	VFRSJS S	FA HFIG	HTS (FT	;		
				5								\$w 22-33				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	1.1	•0	.0	.0	•0	1.5		• 2	.9	•0	.0	•0	.0	1.0	
1-2	. 3	6.6	1.4	•0	.0	•0	8.3		• 2	2.2		•0	• 0	.0	2.4	
3-4	•0	. A	1.3	.0	•0	•0	2.1		•0	.5	.4	•0	•0	.0	. 9	
5-6	• 0	. 2	.8	. 1	.0	•0	1.1		•0	•0		.0	•0	.0	•	
7	• 0	.0	. 3	.0	•0	•0	.3		.0	.0		•0	•0	.0	•0	
8-9	• 0	.0	•0	.0	•0	•0	•0		•0	• 9		•0	•0	.0	•0	
10-11	.0	.0	•0	٥.	•0	• 0	•0		•0	• 0		•0	•0	.0	•0	
12	•0	.0	•0	•0	•0	•0	• 0		• 0	•0		•0	• 9	•0	•0	
13-16	.0	.0	•0	•0	• • •	• 0	•0		•0	.0		•0	•0	.0	•0	
17-19	.0	.0	•0	.0	•0	•0	•0		٠o	.0		•0	•0	.0		
20-22	.0	.0	•0	•0	.0	•0	•0		• 0	•0		.0	•0	.0		
23-25	.0	•0	•0	•0	.0	•0	•0		•0	•0		•0	• 0	•0	•0	
26-32	•0	.0	•0	•0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
33-40	.0	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	.0	•0	
41-48	.0	.0	•0	.0	.0	•0	•0		•0	•0		•0	•0	•0	•0	
49-60	•0	.0	•0	ن ه	.0	•0	•0		•0	•0		•0	•0	•0	•0	
61-70	.0	.0	•0	.0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
71-86	•0	.0	•0	•0	•0	•0	•0		•0	٠.		•0	•0	.0	•0	
87+	٠0	.0	•0	•0	-0	-0	•0		•0	0		•0	•0	•0	•0	
TOT PCT	.7	8.6	3.7	•1	.0	•0	13.2		.3	3.5	.5	••	•0	•0	4.4	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	. 3	.7	•0	.0	.0	•0	1.0		.5	1.0	.0	•0	•0	•0	1.5	
1-2	.1	1.6	.4	.o	.0	.0	2.1		.1	2.0	.7	.0	.0	.0		
1 7	• • •			7.	• •					٠,				**		

				w							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<i< td=""><td>. 3</td><td>.7</td><td>•0</td><td>.0</td><td>.0</td><td>•0</td><td>1.0</td><td>.5</td><td>1.0</td><td>•0</td><td>•0</td><td>•0</td><td>•0</td><td>1.5</td><td></td></i<>	. 3	.7	•0	.0	.0	•0	1.0	.5	1.0	•0	•0	•0	•0	1.5	
1-2	. 1	1.6	.4	.0	.0	.0	2.1	.1	2.0	.7	.0	.0	٠.	2.8	
3-4	.0	.1	• 3	•0	.0	•0	.5	•1	•7	1.9	• 2	•0	•0	2.9	
5-6	.0	.0	•1	-1	.0	•0	•3	•0	•0	.4	٠0	•0	•0	. 4	
7	.0	.0	•2	.0	.0	•0	•2	•0	.0	•	•0	•0	.0		
8-9	.0	•0	•0	.0	.0	•0	•0	•0	•0	.0	•0	•0	•0	.0	
10-11	.0	.0	•0	.0	.0	• 0	•0	•0	.0	•0	•0	•0	•0	•0	
12	•0	.0	•0	.0	.0	•0	•0	•0	•0	٠٥	•0	• 3	•0	• 0	
13-16	.0	.0	.0	.0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	
17-19	•0	.0	•0	.0	•0	•0	•0	•0	.5	.0	•0	•9	.0	•0	
20-22	•0	.0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
23-25	.0	.0	.0	.0	.0	• 0	•0	.0	•0	•0	•0	• 0	•0	•0	
26-32	•0	.0	.0	.0	.0	•0	•0	•0	•0	.0	•0	•0	•0	•0	
33-40	.0	.0	•0	.0	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0	
41-48	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
47-60	•0	.0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	:0	•0	
61-70	.0	.0	•0	•0	.0	•C	•0	•0	•0	.c	•0	•0		•0	
71-86	٠0	-0	•0	•0	•0	•0	•0	•0	•0	•0	٠0	•0	•0	•0	
67+	•0	.0	•0	•0	-0	•0	•0	• 0	0	• 0	•0	•0	•0	-•0	
TOT PCT	.4	2.4	1.1	- 1	•0	•0	4.1	.7	3.7	3.0	•2	•0	•0	746	92.5

	WIND	SPEEO	(KTS)	VS SEA	#E1GHT	(FT)		
нот	0-3	4-10	11~21	22-33	34-47	48+	PCT	TOT
<1	15.7	12.9	.1	.0	.0	.0	24.7	383
1-2	2.8	33.5	9.8	.0	.0	.0	46.1	
3-4	·.i	9.1	11.5		•0	.0	20.9	
5-6		7	5.1	, 3	.0	.0	6.1	
7,0	.ŏ		1.4	ž	.0	.ŏ	1.9	
8-9	.0	.3	0	.0		.0	3	
10-11	.0	.0	.0	.0			.0	
12	.0		.0	ŏ		.ŏ	.0	
13-16	.0	·ŏ	.0	ŏ			.0	
17-19	.0	٠٥	.0	.0		.0	.0	
20-22	·ŏ	.0	.0				.ŏ	
23-25								
	٠0	•0	• • • •				•0	
26-32	•0	•0	•0			•0	•0	
33-40	•0	•0	•0				•0	
41-48	•0	.0	•0				.0	
49-60	•0	•0	•0				•0	
61-70	•0	•0	•0				•0	
71-86	•0	•0	•0				.0	
87+	•0	.0	.0	•0	.0	•0	.0	673
TOT PCT	14.6	56.8	28.0	.6	.0	.0	100.0	019

PERIOD: (DVER-ALL) 1949-1972 TABLE 19 PERCENT PREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 87+ TOTAL MEAN

.0 785 2
.0 118 4
.0 31 5
.0 15 4
.0 1 5
.0 1 5
.0 17 1
.1148 2
.0 100.0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT C4 1-2 3-4

13.8 34.5 15.3

.1 1.6 4.2

.0 .4 .8

.0 .0 .1

.0 .0 .1

.0 .0 .1

20.8 38.9 22.2 12 13-16 17-19 20-22 23-25 26-32 23-40 41-48 49-60 61-70 71-86 8-9 10-11 •••••• ...... . . . . . . . . . . . . . . 3.8 3.7 .8 .2 .0 .1 .2 1.1 .5 .4 .0 .0 .0 .2 .0 .0 .0 .0 •••••••••• . . . . . . . . . 0000000 .0000000 .0000000 . . . . . . . . .00000000 .....

PAGE 394

€

(

PERCENT FREGUENCY	GF	GCCURRENCE	GF	SEA	T£™P	(DEG F)	84	HINGH

SEA TWP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JÜL	AUG	SEP	CCT	NOV	DEC	ANN	PCT
96+	•0	.0	.0	•0	.0	•0	• 2	.0	•0	•0	.0	.0	0	•0
95/96	.0	.0	.0	•0	.0	.0	.0	• 2	• 2	• • •	.0	•0	٥	• • •
43/94	.0	.0	.0	. 1	. 1	.0	•0	•0	• :	•0	.0	•0	3	•
91/92	.0	.0	•0	•0	.0	.0	•0	•0	• 1	• 1	.1	•0	3	•
89/90	•0	.0	•1	• 2	. 3	1.2	. 5	• 1	•0	• 3	.0	• 1	26	2.5
87/88	• 1	.4	2.4	7.3	6.6	5.1	2.0	. 6	. 5	2.1	.9	1.0	264	2.5
85/86	2 • 1	2.8	9.0	26.9	38.9	22.5	13.0	9.3	11.4	14.9	16.3	5.7	1536	14.7
83/84	12.9	20.4	35.5	42.7	41.2	47.7	48.1	40.6	43.0	45.1	45.9	27.5	3930	37.6
81/82	53.7	46.1	42.3	19.2	11.9	19.7	32.3	44.2	38.6	32.2	32.5	47.9	3641	34.8
79/80	26.9	24.3	8.7	2.3	.6	1.7	3.1	3.9	4.9	4.0	3.4	15.4	855	8.2
77/78	3.8	5.2	1.3	1.1	. 2	1.3	.7	. 8	1.1	.8	. 8	2.1	166	1.6
75/76	. 5	. 4	.7	• 1	. 1	.5	. 2	• 1	• 2	. 5	.0	. 1	32	.3
73/74	.0	. 3	.0	• 1	•0	• 1	. 1	. 2	•0	•0	.0	•0	7	• 1
71/72	.0	.1	.0	•0	•0	• 0	.0	.0	•0	•0	•0	• 1	2	
69/70	•0	• 0	•0	•0	•0	•0	.0	• 0	•0	•0	.0	• 0	0	•0
67/68	•0	.0	• 0	.0	.0	•0	•0	• 0	•0	•0	.0	• 0	0	•0
65/66	.5	.0	• 5	•5	٠.	•0	• 0	• 3	• 2	•0	. 0	•0	0	•0
63/64	•0	.0	• 5	•0	.0	•0	• ?	•0	• 0	• 0	.0	•0	0	•0
61/62	.0	.0	•0	• •	.0	•0	• ?	•0	• 0	• 5	.0	•0	0	•0
59/60	•0	.0	• 0	•0	.0	•0	• 0	•0	.0	•0	.0	•0	0	•0
57/58	•0	•0	•0	•0	.0	•0	•0	•0	• • •	• 5		.0	0	•0
55/56	•0	• 0	•0	•0	.0	•0	•0	•0	•0	•0	•0	.0	0	•0
53/54	•0	.0	•0	•0	.0	•0	.0	.0	• 0	•0	.0	•0	0	•0
51/52	• ?	٠.	•0	•0	•0	•0	•?	•0	•0	•0	.0	•0	0	•0
49/50	•0	.c	•0	•0	.0	•0	•0	.0	•0	•0	.0	•0	0	•0
47/48	•0	.0	•0	•0	.0	•0	•0	•0	•0	• 0	• 0	.0	0	•0
45/46	•0	.0	. 0	•0	•0	•0	• 2	٠,	.0	•0	. 9	•0	0	•0
43/44	• ?	•0	•0	•0	•0	•0	• 0	٠,	. 3	•0	. 2	•0	ò	•0
41/42	• ?	• 0	•0	•0	.0	•0	•0	٠,	•0	•0	•0	.0	0	•0
39/40	•0	.0	•5	•0	•0	•0	• • •	•0	• 2	• 2	.0	.0	0	• 0
37/38	• 0	• 0	٥,	•0	.0	•0	•0	.5	•0	• 5	.0	•0	0	•0
35/56	•0	.0	•0	•0	•0	•0	•0	٥.	•0	•0	•0	•0	ò	•0
33/34	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	ŏ	•0
31/32	.0	.0	•0	•0	•0	•0	•0	٠.0	•0	•0	• 0	•0	0	•0
29/30	•6	.0	•0	•0	• 0	•0	•0	•¢	•0	•0	• 2	•0	0	•0
27/28	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0		•0
<27	984	783	.0	.0	.0	•0	• 2	831	845	•0	.0	670	10465	
TOTAL			1063	903	929	918	815			870	852			100.0
MEAN	81.1	81.3	82.5	83.8	84.2	83.6	83.0	82.6	82.7	83.0	63.0	81.9	82.7	

TABLE 21

## PRESSURE (MB)

			۸V	CRAGE	BY HOU	P (GHT	)			
										TOTAL
M.	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	DBS
JAN	1011	1009	1010	1008	1010	1011	1011	1009	1010	386
FER	1011	1011	1010	1009	1010	1011	1011	1010	1010	303
MAR	1010	1009	1010	1008	1009	1010	1010	1009	1010	438
APR	1010	1011	1009	1008	1009	1010	1010	1009	1009	377
MAA	1010	1011	1009	1008	1009	1009	1009	1009	1009	334
JUN	1010	1010	1009	1008	1009	1011	1610	1009	1009	368
JUL	1010	1010	1010	1008	1009	1010	1010	1009	1010	319
AUG	1011	1009	1010	1008	1009	1010	1)10	1009	1010	299
SEP	1011	1011	1010	1008	1009	1011	1010	1009	1010	316
CT	1011	1010	1010	1009	1010	1010	1010	1010	1010	360
NOV	1011	1011	1010	1009	1010	1011	1010	1009	1010	314
DEC	1010	1012	1010	1008	1009	1010	1010	1009	1010	298
ANN	1011	1010	1010	1008	1009	1010	1010	1009	1010	4114
085	703	44	974	430	780	87	684	412		

#### PERCENTILES

HC	- 1M	136	24	22%	504	73%	77%	79%	MAX
JAN	1004	1005	1007	1009	1010	1011	1013	1014	1015
FER	1005	1006	1007	1009	1010	1011	1013	1013	1014
MAR	1005	1005	1005	1008	1010	1011	1012	1013	1014
APR	1005	1005	1005	1008	1009	1010	1013	1014	1015
MAY	1004	1005	1005	1008	1009	1010	1012	1013	1014
JUN	1004	1005	1006	1008	1009	1010	1012	1013	1015
JUL	1005	1006	1006	1008	1009	1011	1012	1014	1015
AUG	1004	1006	1007	1009	1010	1011	1012	1014	1015
3 .	1000	1006	1017	1009	1010	1011	1012	1013	1014
DGT	1006	1006	1007	1009	1010	1011	1013	1013	1014
NOV	1005	1000	1007	1009	1010	1011	1013	.013	1014
DEC	1004	1005	1007	1008	1009	1011	1013	1013	1014

TABLE 1

AREA 0006 NATUNA ISLAND 3.5N 107.1E

PERCENT	FREQUENCY	UF	MEATHER	DCCURRENCE	RV	WIND	DITESTIO

			•	RECIPI	TATIG	N TYPE					OTHER	WEATHER	PHEND	MENA	
FIG DAM	RAIN	RAIN	DR7L	FRZG PCPN	SNOK	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N	1	1.8	2.3	.0	•0	.0	٠.	7.2	3.4	.2	.1	.0	.6	•0	88.4
NE	3.3	1.6	1.1	.0	.0	.0	.0	5.9	2.9	.3	.2	.0	.3	.0	90.3
E	3.6	. 6	1.1	.0	.0	.0	.0	5.3	6,9	.0	.6				87.2
ŠE	10.2	2.0		.0	.0	.0	.0	12.2	10.2	·ŏ		ě			77.6
Š	1.3	8.3	11.1	.0	•0	.0	•0	27.8	•0	.0	•0	• 0	.0		72.2
Šv	.0	.0		.ŏ	.0	.ŏ	.0		13.8		.ŏ	.0			86.2
ŭ.	14.6	4.2	.0	.0	.0	.0	.0	18.4	•0	.0	.0	.0			81.3
Ñw	8.0	2.3	6.1			.0		16.3	1.9			·ŏ			81.4
VAR				ě		.0			• 6	.0		.0			
											•0		•0		
CALM	•0	4.8	.0	•0	•0	•0	•0	4.8	4.5	.0	•0	0د	•0	•0	90.5
TOT PCT	3.6 1544	1.7	1.7	•0	•0	•0	٠0	6.9	3.3	.3	•2	•0	.4	•0	88.9

TABLE 2

DEBCENT	ERFOLISHEY	O.E.	MEATHER	DEFURBALLE	B.u	MOUR

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHLR	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HI	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00£03 06£09 12£15 18£21	3.1 3.5 2.8 4.9	2.6 1.8 1.7	1.7 1.3 1.7 2.1	.0	.0	.0	.0 .0	7.4 6.6 6.0 7.9	4.1 2.4 3.7 3.0	.5	.0	.0	•5 •9 •0	•0 •0 •0	87.6 90.0 90.1 87.8
TOT PCT	3.5 1552	1.6	1.7	.0	•0	.0	•0	7.0	3.3	.3	•2	•0	••	•0	88.9

TABLE 3

## PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22 <b>-3</b> 3		48+	TOTAL DBS	FET FREQ	MEAN SPD	00	03	06	HDUR 09	(GHT) 12	15	18	21
N NE E SE SW W W VAR CALM TOT DBS TOT PCT	1.0 1.7 .5 .3 .1 .2 .5 .0 1.8 164	11.7 22.2 4.1 .8 .4 .4 .7 .5 .0	14.2 26.8 2.1 .3 .1 .1 1.7 .0	2.0 3.5 .1 .0 .0 .1 .3 .0	.1 .0 .0 .0 .0 .0 .0	••••••	2775	29.0 54.1 6.8 1.0 .8 .5 1.0 5.0 .0	12.2 12.2 9.7 8.4 6.9 7.0 9.4 10.9	28.8 54.9 7.1 1.2 .5 .7 1.2 4.0 .0 1.5 400	33.5 55.3 6.3 .8 .0 .0 .4 2.8 .0 .8 .123	25.9 57.3 6.7 1.5 1.4 .4 .9 4.4	35.5 49.6 6.5 1.1 1.2 .3 .3 4.1 .0 1.25	28.9 55.2 5.7 .6 .8 .7 .8 4.8 .0 2.7 450	23.4 53.7 7.4 .0 .0 .5 .4 .7 .0 .118	29.9 51.8 6.1 .9 .8 .9 1.0 6.2 .0 2.49	27.8 48.0 9.0 1.2 .3 .5 1.7 8.6 .0 298

## TABLE 3A

4ND DIR	0-6	¥IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00 03	HDU1 06 09	12 12 15	18 21
N	4.2	19.0	.5,3	.5	.0		29.0	12.2	29,8	29.2	27.8	29.0
NE	7.5	33.2	10.8	, 6	٠.		54.1	12.2	55.0	54.7	56.9	57.1
£	1.0	4.3		•	.0		6.8	9.7	7.0	6.7	6.0	7.4
38	. 4	.5	•1	.0	.0		1.0	8.4	1.1	1.3	.4	1.0
\$	.4			iŏ	.0			6.9	-4	1.3		
Sw		. 2		ě				7.0		•::3	::	.7
¥	.4	.5	•1	.1	.0		1.0	9.4	1.0	.7	Ť	1.3
NW	1.4	2.5	.,,	ä	.0		5.0	10.9	3.0	4.3	4.6	7.2
VIR	.0	•0	ió						.,,	.0	7.0	
CALM			•••	••								
TOT DAS	503	1740	494	38	0	2779	1.9	11.6	360	155	2.2 558	677
TOT PET	18.1	62.7	17.3	1.4		•	100.8			100.0		

PAGE 396

(

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1858-1973

TARLE 4

AREA 0006 MATUNA ISLAND 3.5N 107.1E

PERCENTAGE	FREQUENCY	C#	MIND	SPEED	84	HOUR	(GMT)	
------------	-----------	----	------	-------	----	------	-------	--

HOUR	CALH	1-3	4-10		SPEED ( 22-33		48+	MEAN	PCT FREU	TOTAL DBS
00403	1.4	3.6	43.8	44.7	6.5		•0	11.0	100.0	589
06609	1.5	3.3	41.3	47.5	5.9		•0		100.0	951
12615	2.2	4.8	40.7	45.7	6.6				100.0	558
18621	2.7	5.2	45.1	42.1	4.9	•1	•0		100.0	677
TOT	52	114	1183	1255	164	`;	ŏ	11.6	100.0	2775
PCT	1.9	4.1	42.6	45.2	5.9	.3	• 6		100.0	2

TABLE 5

TABLE 6

												• • •						
,	CT FRE	C OF 1	OTAL V WIN	CLOUD A D DIREC	MOUNT (	(EIGHTHS)		;	PEPCEN	TAGE F	REQUEN	CY CF	CEILIN	G HETS	HTS (F	TONH ;	>4/8) 3N	
WND DIR	0-2	3-4	5-7	08SCD	TCTAL CBS	MEAN CLOUD COVER	000 149	150 290	300	600 999	1000 1999	2000 3499	3500 49 <b>9</b> 9	5000 6499	6500 7999	8000+	NH <5/8	
N	2.5	4.4	12.1	7.8		5.8	•1	• 1	.4	3.1	3.7	2.4				_		
NE	7.7	11.1	26.1	14.1		5.5		i.i	1.3	4.0	10.1	4.7	1.1	.3	•1	•0		
E		1.4	2.4			5,4	• 0		. 1	1.0	1.2				• •	• 2	36.1	
ŠE	. 2	. 2				5,4		•0				• 2	•0	•1	•0	•0	3.9	
2	.0	. 1	.2	. 5		7.1	• 2	.0	.0			•0	•0	•0	•0	•0	• •	
WZ	ii		• • • • • • • • • • • • • • • • • • • •	• 2		5.4				•1	•1	• 1	•0	•0	•0	•0	.3	
¥								•0	•0	.0	.0	•1	• 1	•0	•0	•0	. 4	
Ñw		:7	1.5	1.2		6.5	•0	•0	•0	.0	• 1	• 1	•0	•0	•0	•0	• 2	
VAR	• -					5.8	•0	•0	•0		.7	• ?	.1	•	• 0	.0	1.6	
	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	.0	.0	•0	.0	•0	
CALM	2	. 6	.6	.3		4,9	•0	•0	.0	.4	.0	•0	.1	•0	•0	.0	1.2	
TOT USS	122	193	445	273	1033	5.6	7	2	19	99	166	80	19	10		٠,	624	1033
TOT PCT	11.4	18.7	43.1	26.4	100.0		.7	• 2	1.0	٠.6	16.1	7.7	1.8	1.0	. 5	. 2	60.4	100.0

TARLE 7

## CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	• OR	- OR	• QR	• CR	• DR	• OR	• SR	= OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.7	.7	.7	.7	.7	.7	.7	.7
<ul> <li>DR &gt;5000</li> </ul>	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6
<ul> <li>OR &gt;3500</li> </ul>	2.7	3.3	3.5	3.5	3.5	3.5	3.5	3.5
● DR >2000	8.1	10.4	11.3	11.3	11.3	11.3	11.3	11.3
■ DR >1000	17.7	25.3	27.1	27.2	27.3	27.3	27.3	27.3
■ fiR >600	22.6	33.5	36.5	36.7	36.7	36.1	36.8	36.6
# DR >300	23.1	35.1	30.1	38.5	38.5	38.7	38.7	38.7
■ DR >150	23.2	35.2	38.3	38.7	38.7			
						38.9	38.9	38.9
- DR > 0	23.3	35.4	38.7	39.2	37.3	39.5	39.5	39.5
TOTAL	242	367	401	407	408	410	410	410

TOTAL NUMBER OF OBS1 1037

PCT FREQ NH <5/81 60.5

TABLE 7A

## PERCENTAGE PREG OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSC OBS 22.0 6.6 17.4 19.3 14.8 9.3 9.9 7.1 13.0 .5 1091

- 1	٨	•	1 5	۸	P	٧

PERIODI	(PRIMARY) (OVER-ALL)	1924-1973 1858-1973

•

C

T A	BLE	

AREA 0006 NATUNA ISLAND 3.5N 107.1E

		P	erceT	PRECI							3%-5CC		E OF
VSBY (NH)			NE	£	SE	\$	5¥	•	NW	VAR	CALM	PCT	TOTAL
-	PCP	. 1	. 1	.0	.0	.0	• 0	٠.	.0	. 3	.0	. 1	
<1/2	NO PCP	.0	.0	.0	.6	•0	• 0	.0	.0	.0		.0	
	TOT \$	.1	. 1	.0	• 0	• 0	• ^	.0	•0	•0	•0	.1	
	PCP	.1	.1	.0	•0	•0	• •	.0	•0	.0	•0	. 2	
1/2<1	NO PCP	.c	.1	.0	.0	•0	• 1	.0	.1	.0	• 0	. 2	
	TOT %	. 1	. 5	.0	.0	.0	•0	. c	.1	.0	•0	.4	
	PCP	.2	.1	.0	•	•	•0	.0	.1	.0	.0	.4	
1<2	NO PCP	٠.	. 1	.0	• 1	• 0	• 0	•0	• 0	.0	•0	. 2	
	TOT %	. ?	. 2	.0	. 1	•	• 0	. 3	. 1	. 0	•0	.6	
	PCP	. 9	.5	• 2			•0	.1	. 3	.0	•0	1.6	
2<5	NO PCP	. 9	. 6	. 2	.1	• 0	•0	.0	. 2	.0	• 0	2.2	
	101 %	1.4	1.3	• 4	•1	•	• • •	. 1	. 5	• 2	•0	3.8	
	PCP	.4	1.3	•	.0	•0	•0	•	•	.0	•1	1.9	
5<10	NO PCP	5.5	12.0	1.0	. 2		• 1	. 1	1.1	.0	. 1	20.4	
	TOT \$	6.1	13.3	1.1	. 2	•	• 1	. 2	1.1	•0	• 2	22.3	
	PCP	. 8	1.4	•1	.1	•1	•0	.0	.3	.0	•0	2.7	
10+	NO PCP	19.3	41.4	4.3	. 4	.4	. 4	. 5	2.3	.0	1.2	70.1	
	TOT *	20.1	42.6	4.4	. 5	- 5		. 5	2.5	- 0	1.2	72.8	

TOT DBS 1544 TOT PCT 28.0 57.9 5.8 .9 .0 .9 .8 4.3 .0 1.4 100.0

TABLE 9

PERCENT FRED OF WIND DIRECTIJN VS WIND SPEED WITH VARYING VALUES OF VISIBILITY													
VSBY (NM)	SPD KTS	N	٧E	£	SE	s	Sh	h	NR	YAR	CALM	PCT	TUTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	٠.	.0	.0	
<1/2	4-10	•	•0	.0	.0	, č	.0	.0	.0	ŏ	•••		
••••	11-21	.0			.0	iŏ	ŏ	.0	.0	.ŏ		.1	
	22+	.0	.0	•0	.0	.0	:0	.0	.0	.0		.0	
	TOT %		•	•	.0	.0	.0	.0	.0	.0	•0	.1	
	0-3	.0	• C	•0	.0	.0	.0	.0	.0	.0	٠.	.0	
1/2<1		. 1		•0	.0	•0	.0	.0		.0		.2	
	11-21		• 1	• 0	•0	.0	.0	•0	.0	.0		. 1	
	22+	.0		•0	•0	•0	.0	.0	.0	.0		•	
	TOT \$	•2	•2	•0	•0	•0	.0	•0	•	.0	.0	.4	
	0-3	. 2	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1<5	4-10	-1	•	•0	•	•0		•0	•	.0		.3	
	11-21	.1	٠2	•	•	•	.0	.0	.0	.0		.4	
	22+	.0	•0	•0	•0	•0	.0	.0	.0	.0		:9	
	TOT \$	•2	.3	•	•1	•	•	.0	•	.0	•0	• 7	
_	0-3	•0	•	•0	.0	.0	.0	•0	•	.0	.0	. 1	
2<5	4-10	.7	. • •	• 2	•1	•	•0	•	.1	.0		1.6	
	11-21	.9	1.2	• 1	•		.0	•	. 2	.0		2.5	
	22+	2	. • 1	•0	•0	•0	.0	•	• 1	.0		• 5	
	TOT \$	1.9	1.7	• •	.1	.1	.0	.1	.4	.0	•0	4,7	
_	0-3	-1	.2	•0	• 0	•0	• 0	•	• 2	.0	.1		
5<10		1.6	3.2	• 6	• 1	•	• 1	• 1	.5	.0		6.1	
	11-21	3.6	6.9	• 4	• 1	•0	.0	•	.3	•0		11.3	
	22+	7	1.4	. • 0	•0	•0	•0	٠0	. 2	• 0		2.4	
	TOT %	5.9	11.7	1.0	• 2	•	• 1	•5	.9	.0	•1	20.2	
	0-3	.6	1.2	.3	•0	•1	-1	-1	.5	.0	1.3	4.1	
10+	4-10	9.1	19.0	3.3	٠,5	.3	•2	• 3	1.4	•0		34.1	
	11-21	9.6	20.6	1.6	• 1	•0		•	. 6	•0		32.7	
	22+	.,9	1.9	. :	•0	•0	.0	.0	• 1	•0		3.0	
	TOT %	20.2	42.6	5.2	.6	.4	.3	••	2.7	•0	1.4	73.9	
	ZaD ToT							,					2083

PAGE 398

PERIODI	(PRIMARY)	1924-1973
	(SVER-ALL)	1858-1973

TABLE 10

AREA 0006 NATUNA ISLAND 3.5% 107.1E

PERCENT	FREQUENCY	OF (	C#IĈ	ING	HE I GHTS	(FEET,NH	>4/81	AN
-	2000	200	~ ~	P AIL				

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000÷	TOTAL	NH <5/8 ANV HGT	TOTAL
60300	1.0	.3	2.6	10.8	16.0	7.8	2.6	1.3	٠٥	•0	42.5	57.5	306
90360	.3	•0	.6	11.0	16.2	6.1	1.5	.9	.3	.6	37.6	62.4	327
12015	.4	.4	2.5	6.8	15.6	6.0	1.7	.4	1.7	•0	37.6	62.4	237
18621	1.0	.0	1.5	7.1	14.2	9.1	1.0	1.0	.0	•0	3 <b>5.</b> 0	65.0	197
TOT	7	2	19	99	167	. 1	19	10	5	2	411	656	1067

TABLE 11

TABLE 12

		PEPCENT	FREQUE	CY VSR1	( (NM)	BY HOUR		CUMULAT					CHM) YBEV	
HOUR (GMT)	<b>&lt;</b> 1/2	1/2<1	167	2<5	5<10	10+	TOTAL 085	HOUR (GHT)	<150 <50YD	<600 <b>∢</b> 1	<1000 <5	1000+ AND>+	NH <5/8 +C GRA	TOTAL DBS
00603	.4	.8	.2	4.8	18.0	75.8	499	00603	1.0	4.3	17.3	26.6	56.1	301
90300	.0	.3	.5	3.8	18.6	76.8	651	06809	.3	.9	14.2	24.9	60.9	317
12615	.0	.4	.4	5.9	24.1	69.2	461	12615	.4	3.5	14.2	25.7	60.2	226
18621	.2	. 2	1.7	4.6	20.6	72.7	480	18621	1.0	2.6	14.0	23.3	62.7	193
TOT	3	9	14	98	421	1546	2091	707	7	29	156	262	619	1037

	TABLE 13									TABLE 14											
	PERC	ENT FR	EQUENCY	/ OF R	EČATIVI	HUM11	1TY 8	Y TEMP				PERC	ENT FRI	OUENCY	' QF W1	40 DIF	ECTIO:	N BY T	BY TEMP		
<b>TEMP </b>	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100	TOTAL	PCT PREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM	
90/94	•0			•0		.2	• 2	•0	6		•2	. • •	٠ọ	•0	.0	.1	٠0	.0	•0	.0	
85/89	•0			•0		2.6 14.4	30.2	6.0	39 482	4.2 52.1	11.5	2.5 32.2	4.2	٥.	:0	.0	.0	1.5	•0	1.0	
75/79 70/74	.0	.0		•0		5.3	23.9	13.1	3 <b>9</b> 2	42.3	13.4	23.2	2.4	.3	.2	.1	.3	2.0	•0	.6	
TOTAL PCT	.0	.0	٠	.0	-	208	511 55.2	182	926	100:0	26.2	58.7	7.0	.5		.6		3.9	.0	1.4	

TABLE 15

TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL 085

.0 .0 1.2 14.3 62.9 21.5 85 251

.0 .0 6.2 37.0 42.2 14.5 82 289

.0 .0 1.4 21.5 59.3 17.8 84 21.4

.0 .0 .0 6 11.8 60.1 27.5 86 178

0 0 25 210 514 183 84 932 1% MIN HEAN TUTAL UBS
73 72 79-4 589
74 72 81-0 938
73 71 79-5 558
73 72 78-6 672
73 71 79-8 2757 54 79 81 79 79 75 77 76 75 76 86 82 81

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1858-1973

TABLE 17

AREA 0006 NATUNA ISLAND 3.5N 107.1E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCUMMENCE OF FUL (#ITHUUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

-									
AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	# F36	FOG
14/16	.0	.0	.0	.0	٠.	. 1	1	.0	• 1
11/13	. 0	.0	.0	.0	. 3	• 1	7	٠.	. 5
9/10	.0	•0	.1	• 1	• 1	• 1	6	•0	. 4
7/8	.0	•0	.2	. 3	. 4	. 3	17	•0	1.2
	.0	.0	٠.	• 1	. 4	. 1	9	.0	.6
6 5 4 3 2 1	.0	.0	. 2	1.0	. 5	.1	28	.0	2.0
ă	.0	.0	1.2	3.1	1.1	.0	78	.0	5.4
3	.0	.0	. 4	1.5	٠.,	.0	34	.0	2.4
2	•1	• 2	3.3	7.0	. 3	.0	156	.0	10.9
ī	.0	.0	3.3	3.7	. 1	.0	102	.0	7.1
i	.0		14.6	11.0	•1	.0	389	•0	27.1
-ĭ	.0	. 6	7.1	2.8	.0	•0	150	٠i	10.3
-2	.1	1.3	11.0	3.9	.0	.0	245	.i	17.0
-3	.0		3.5	9	.0	.0	71	•0	4.9
-4	.0	1.3	4.1		.0	.0	85	.0	5.9
-5	.0	.,9	1.0		.0	•0	28	.0	2.0
-6		. 3			.0	.0	īī	.,	
-7/-8	ž	.4	.3	. 1	ò	. 0	14	. 6	1.0
-9/-10		·i	.1		.0	.0	- 4	.0	• 2
-11/-13		i.i	.0		.0	.0	3	.0	•1
TOTAL	• 5	••	740	••	58	••	•	3	1432
IUIAL	,		740				1435	•	
		92		528	4.0	12	100.0	•2	99.8
PÇT	.3	6.4	27.0	36.8	4.0	• 0	10000	• 4	7700

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA MEIGHTS (FT) NE 22-33 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 22-33 .0 .0 .5 .0 .6 .7 .2 .0 .0 .0 .0 .0 .0 .0 11-21 .2 2.6 7.0 2.8 .7 .0 .0 .0 .0 .0 .0 .0 HGT
<1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
+TOT PCT 1-3 4-10 1.1 5.2 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 -47 34-47 48+ HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
170-19
20-22
23-25
26-32
33-40
41-48
49-40
61-70
71-86
87+
TOT PCT 1-3 4-10 

PAGE 400

( C

*

			1043 1						3470	/4K1				1051			
PERIODI	COVE	(-ALL)	1963-1	973				TABLE	18 (	CONT	ı			AREA		NATUNA 1 SN 107.	
				PC	T FRED 0	F WIND	SPEED	(KT\$)	AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT	)		
нст	1-3	4-10	11-21	S 22-33	34-47	48+	PCT			1-3	4=10	11-21	SW 22-33	34-47	48+	PCT	
	0	.2					.2			•0	0			•0			
<1	.0	:6	•0	•0	.0	•0					.5	.0	•0		.0	•0	
1-2 3-4		.0	•0	•0	•0	.0	•0			.0		•0	•0	•0	•0	.5	
5-6	ŏ	.0	•2	•0	.0	.0	.2			.0	.2	.0	•0	.0	.0	•2	
7	.0				٠٨	.0	•0			.0	.0			•0			
8-9	.0	.0	•0	•0		.0	.0			.c	ő	.0	•0	•0	.0	•0	
10-11	.ŏ	.0	.0	ö.	.0	.ŏ	.0			ŏ			.0	• • • •	:0	•0	
12	.0	.0	.0	.0	.0	.0				ő	ő	.0	.0	.0	.0	.0	
13-16	.ŏ		•0	.0	ě						.ŏ	.0	•0	•0	.0	•0	
17-19	.0	.0	.0	.0	.0	.0	.0			. 0		•0	.0	•0	.0	.ŏ	
20-22	.0	.0	•0	.0	.0	.0				.0	.0	•0	•0	•0		.0	
23-25	.0	.0	·ŏ	.č	.0	.0				.0	.0	٥.	.5	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.5	.6	·ŏ	
33-40	. 0	.0	.0	.0	.0	-0				.0	.0	.0	•0	• 0	.0	.0	
41-48	.0	.0	•0	.0	.0	.0	.0			.0	.0	.0	.0	•0	.ŏ	•0	
49-60	.0	.0	.0	.0	.0	.0	.0			. 0	.0	.0	•0	.0	.0	•0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	•0	.0	•0	
71-86	.c	.0	.0	.0	.0	.0	.0			.0	, C	.0	•0	• 6	.0	.0	
87+	.0	.0	.0	•0	.0	•0	.0			.0	.0	.0	•0	.0	.0	.0	
TOT PCT	.0	. 2	.2	•0	.0	•0	.4			•0	,7	•0	10	•0	•0	.7	
				u									Mk				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	• 0	.5	•0	• • •	• 6	•0				.0	.0	.0	.0	.0	•0		
1-2	,c	. 2	•0	.0	.0	.0	• 2			, 3			•0	.0		.7	
3-4	.o	.0	·ŏ		.0		.0			.0	. ;		ě	.0			
5-6	.0	•0	. 2	• 0	.0	•0	.2			.0	. 3	. 7	.ŏ	•0	iò		
7	.0	.0	.0	•0	.0	.0	.0			.0	.0	.1	•1	. 2	.0	. 4	
8-9	.0	.0	•0	.0	.0	•0	.0			.0	•0	.0	٠ž	•0	.0	. 2	
10-11	.0	.0	•0	•0	.0	•0	.0			.0	.0	.0	.0	•0	.0	•0	
12	•0	-0	•0	•0	•0	•0	.0			•0	•0	•0	•0	•0	•0	•0	
13-16	.0	٠.	•0	•0	.0	•0	.0			•0	:0	•0	•0	•0	•0	.0	
17-19	.0	.0	•0	•0	•0	•0	.0			•0	٠,	.0	•0	•0	•0	.0	
20-22	.0	.0	•0	•0	•0	•0	•0			•0	•0	.0	•0	•0	.0	٠0	
23-25	.0	.0	•0	•0	.0	•0	•0			• 0	•0	•0	•0	•0	.0	•0	
26-32	•0	۰0	•0	•0	•0	•0	.0			.0	•0	.0	.0	•0	.0	.0	
33-40	.0	.0	•0	•0	•0	•0	•0			•0	•0	•0	•0	•0	.0	•0	
41-48	•0	.0	•0	•0	•0	•0	•0			•0	•0	•0	•0	40	.0	•0	
49-60	•0	•0	•0	•0	• 0	•0	• 0			•0	•0	•0	•0	•0	•0	•0	
61-70	•0	•0	•0	•0	•0	•0	•0			•0	•0	•0	•0	•0	•0	•0	
71-86	.0	-0	•0	•0	••	.0	•¢			•0	•0	.0	•0	•0	•0	•0	
874	•0	• 2	•0	•0	•0	•0	•0			•0	•0	. 0	•0	•0	•0	• 0	
TOT PCT	•0	.7	•2	•0	•0	•0	.,			. 3	.7	1.5	•3	• 2	•0	3.0	44.3

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0~3	4-10	11-21	22-33	34-47	48+	FCT	TOT
<b>(1</b> )	2.1	4.3	•	.0	.0	. ,	7.3	085
1-2	. 7	19.1	:1.1	.0	.0	• )	31.2	
3-4	1.2	9.2	21.7	.7	.0	٥	32.4	
5-6	.2	3.1	14.		.0	.0	18.4	
7	.0	1.2	4.5	. 7	. 2			
8-9			1.2	1,4		ŏ		
10-11	:ŏ	٠٥		• • • •		:0	2.5	
			٠,0				•7	
12	•0	.0	•0	.0	.2	•0		
13-16	•0	•0	.0	•0	.0	.0	.0	
17-19	.0	.0	•0	.5	.0	٠.	. 5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	, ò	•0	.0	.0	.0		ě	
24-32	•0	.0	.0	. 0	.0	.0	iŏ	
33.40	.0	.0	.0	.0	.0			
41-48	.5	.ŏ		.0	.0		.6	
					:0			
49-60	•0	•0	•0				•0	
61-70	•0	•0	•0	.0	.0		.0	
71-84	•0	.0	.0	,0	•0	•0	.0	
87+	•0	.0	.0	.0	.0	.0	•0	
								423
TOT PCT	4.5	36.7	53.2	5.0	.5	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973 TABLE 14 PRACENT PREQUENCY OF WAVE HEIGHT (PT) VS WAVE PERIOD (SECONDS) 87+ TOTAL

.0 37c
.0 278
.0 87
.0 28
.0 7
.0 37
.0 57
.0 621
.0 100-0 12 13-16 17-19 20-82 83-85 26-32 89-40 45-48 49-60 61-70 71-86 8-7 10-11 3-4 5-6 13.6 2.0 .2 .1 .0 .0 1.2 151 18.2 9.3 11.1 2.9 .8 .1 .0 1.1 210 25.3 1.3 6.0 3.5 .7 .1 .2 .4 102 12.8 3.1 .0 .0 .0 .0 .0 1.9 42 5.1 .00.00 000000000 000000000 000000000 2.4 1.8 .0 .0 .4 47 5.7 .1 .2 .4 .5 .1 .0 14 ,10000013 000040000 000000000 0000000000 000000000 000000000 .1 1.3 .5 .0 .1 .0 19 2.3

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 1

AREA 0006 NATUNA ISLAND 3.5% 107.18

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	RY	MIND	DIRECTIO

			,	RECIPI	TATIO	N TYPE					SHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO PCPN	FOG WO PCPN Past Hr	SHOKE		
N	1.4	3.1	1.3	.0	.0	.0	.0	5.7	3.2	.0	.0	.0	•0	. 2	90.8
NE	1.6	2.2	. 5	.0	.0	.0	.0	4.2	2.8	. 2	. 1	.0	• 1	· •	92.6
E	2.5	2.5	1.1	.0	.0	.0	.0	6.2	7.3		.0	.0	•0	•0	90.0
SE	5.4	2.7	.0	.0	.0	.0	.0	8.1	.0	.0	.0	i	.0	•0	91.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ŏ	13.6		86.2
Šw	10.3	.0	.0	.0	70	•0	•0	10.3	,0	.0	.0		•0	• • • •	89.7
¥	.0	.0	17.6	.0	.0	.0	.0	17.6	íŏ	ŏ		.0	•0		82.4
ÑÞ		4.1	3.6	.ŏ				8.3	9.5		ĕ		ě		82.1
VAR							ě		.5		.5	.5			
CALM	3.2	.ŏ		.0									•0		
CALP	3.2	.0	.0	.0	.0	•0	.0	3.2	3.2	۰.	.0	•0	•0	•0	93.5
TOT PCT	1.7	2.3	.4	.0	•0	•0	•0	4.8	2.9	.2	•1	.0	•1	•1	91.9

TABLE 2

BERCENT	EREGHENCY	n F	MEATHER	DECHIBERENCE	2.	MOUTE

			•	RECIPI	TATION	TYPE					OTHER	WEATHER	PHEND	HENA	
HGUR (GPT)	RAIN	RAIN SHWR	DR7L	PR76 PCP4	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	₽DG WQ PCPN	FOG WO PCPN PAST HR		SPRAY BLNG DUST BLNG SNOW	ND SIG WEA
00503 06609 12615 18621	2.0 1.2 1.4 2.4	2.7 2.5 2.2 1.8	1.0	.0	.0 .0	•0	.0	5.5 4.7 3.8 5.1	3.2 3.0 3.0 2.1	.0	.0	.00	.2		91.0 91.3 93.1 92.0
TOT PCT TOT DBS:	1.7	2.3		•0	.0	.0	.0	4.8	2.9	.2	-1	•0	•1	•1	91.9

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED IKN	375)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PET	×EAN SPD	00	03	06	09	12	15	18	21
N NE E	1.2 2.3 1.1	12.4 30.5 5.2	8.6 26.3	1.7	•0	•0		22.6 60.8 8.1	10,2	20.6 64.5 7.9	15.8 61.8 6.7	20.6 65.8 6.7	26.3 57.6 6.5	25.5 58.9 6.9	23.5 63.4 10.1	22.1 59.3	23.8
S E S	.3	.9	.2	.0	.0	.0		1.4	6.7	.9	5.8	1.3	1.8	1.2	•0	9.6 .9 1.1	11.5
Sw W Nw	.1	.5	.1		•0	•0		.8	7.5 5.5	.6	2.1	.5	1.2	.1	•0	1.0	1.2
VAR CALM	.2 .0 3.2	•0	.0	•0	.0	•0		1.8	8,7 .0	2.0 .0 1.9	2.4 .0 2.7	1.5 .0 2.2	2.5 .0 2.6	1.5 .0 4.1	1.0 .0 2.0	1.3 .0 4.2	2.1 .0 5.9
TOT DRS	247 8.9	1432 51.5	1041 37.4	62 2.2	•0	.0	2782	100.0	10.0	468 100.0	146	548	341	484	101	407	287 100.0

TABLE 3A

WND GIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-46	41+	TOTAL OBS	PCT FREQ	HEAN SPD	00 03	HBUI 06 09	12 12 15	18 21	
N	5.4	14.5	2.6	•	.0		22.6	10.2	19.6	22,8	25.1	22.8	
NE	12.1	40.0	8,5	•2	٠0		60.8	10.9	63.8	62.7	59.7	56.7	
E	3.6	4.1	. 4	•0	.0		8.1	.0	8.1	6.6	7.4	10.4	
\$ E	. 9	.4	.1	.0	.0		1.4	6.7	2.0	1.5	1.0	1.0	
5	. 5	.4	.0	ŏ	.0		- 7	6.0	-:;			•.9	
Sw	.4	. 3	. 1	iò	.0		i, i	7.5	1.0	. 6		1.1	
w		.1	.0	.0	.0		. 5	5.5		.7	.i		
Ñы	:7	.,	i	iō	.0		1.1	8.7	2.1	1.9	1.5	1.6	
VAR	.0	.0	.0	.0	.0		.0	.0	0				
CALH	3.2	•••	•••	•••	•••								
TÖT DAS	757	1690	328	7	٥	2782	9.2	10.0	2.1 614	2.4	3.8 585	4.9 694	
TOT SET	27.2	40.7				2,42		10.0					
			11.8				100.0				140 0		

F	F	B	H	4	R	١

								• •				
PERIOD: (PRIMARY) 1 (OVER-ALL) 1	923 <b>-</b> 197 856 <b>-</b> 197						TABLE	4			AREA OO	06 NATUNA ISLAND 3.5% 107.1E
			PER	CENTAGE	FREQU	ENCY OF	WIND S	PEED BY	HOUR	(GHT)		
	HQUR	CAĽH	1-3	4-10		5PEED 22-33			MEAN	PCT FREQ	TOTAL DBS	
	00303 06609 12615 18621 TDT PCT	2.1 2.4 3.6 4.9 90 3.2	6.0 5.3 5.5 5.9 157 5.6	52.9 49.6 49.7 54.0 1432 51.5	37.1 40.5 38.1 33.1 1041 37.4	1.8 2.2 2.9 2.0 62 2.2	•0	.0	10.3	100.0 100.0 100.0 100.0	614 889 585 694 2782	

TABLE 5
---------

TABLE 6

P	CT FRE			CLOUD A D DIREC		(EIGHTHS) MEAN							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CBS	CLOUD	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6490	6500 7999	8000+	NH <5/8 ANY HGT	
N	3.4	3.1	9.3	4.5		5.4	•0	•2	.2	2.3	2.4	1.9	.5	•0	•0	.1	12.7	
NE	9.4	15.0	30.9	13.2		5.2	•1	• 2	. 8	5.2	9.9	5.4	1.3	•1	•0	::	45.4	
E	1.2	1.8	1.6	1.6		4.9	•0	• 1	. 0	. 6	7	.2		.1		.0	4,7	
ŠE	. 1	.2	• 1			3.7	• 0	•0	ō	• 0		.0	ŏ		.0	.0	7.5	
\$	.0	. 2	. 2	• 1		5.1	•0	• 0	Ö	• 1	• 0	•1	, i	.ŏ			íž	
ŚW	.1	.0	. 3	•1		5.2	•0	•0	.0				':	.0	.0	ě		
¥	. 1	.1	.0	• 1		4,3	•1	.0	.0	.0		•0	.0	•0	.0	•0	-	
NW	. 3	.3		• 2		4.7		ě	ě	ž	•	•••	ŭ		.0	.0	.2	
VAR	.0	.0	.0	•0		.0	.0	.0	Ö	.0	•0	•0		.0	·ŏ	.0	.0	
CALM	. 4	. 4	. 9	• 2		4.5	•0		ò	.2	ž	.0	ŏ	.1	.0	ě	1.4	
TOT DAS	140	196	408	187	931	5.2	• • • • • • • • • • • • • • • • • • • •		°,	80	123	71	16	';	.0	• • •	616	931
TOT PCT	15.0	21.1	43.8	20-1	100.0		• 2	. 5	1.0	8.6	13.2	7.6	1.9	.3	•0	.2	66.4	100.0

TARLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

						VSBY (NH	1)			
	CI	EILING	● DR	<ul> <li>OR</li> </ul>	• CR	■ DR	■ OR	= OR	⇒ GR	• DR
	(1	FEETI	>10	>5	>2	>1	>1/2	>1/4	>5UYD	>0
,	QR.	>6500	.2	•2	.2	2	.2	.2	•2	.2
•	OR	>5000	.5	.5	.5	.5	.5	. 5	.5	. 5
•	OR	>3500	1.8	2.4	2.5	2.5	2.5	2.5	2.5	2.5
	08	>2000	6.8	9.9	10.2	10.2	10.2	10.2	10.2	10.2
•	OR	>1000	14.8	22.8	23.3	23.4	23.4	23.4	23.4	23.4
•	OR	>600	19.6	3Ç.8	31.4	31.9	31.9	31.9	32.0	32.0
•	DR	>300	20.1	31.7	32.6	32.4	32.8	32.6	32.0	32.9
9	ΠR	>150	20.3	32.0	32.9	33.4	33.4	33.4	33.5	33.5
٠	DR	> 0	20.4	32.2	33.2	33.6	33.6	33.6	13.7	33.7
		TOTAL	191	301	310	314	314	314	315	315

TOTAL NUMBER OF OBS: 935 PCT FREG NM <5/81 66-3

TABLE 7A PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CN 085 3.4 11.8 20.6 15.6 14.0 8.9 8.9 8.1 8.5 .2 991

•	•		۵	٠

(PRIMARY)			AREA 0006 NATUNA ISLAND
(OVER-ALL)	1856-1973	TABLE 5	3.5N 107.1E

		1	PFRCENT	FREQ PREC	OF WIND IPITATI	DIREC ON WIT	TION V H VARY	ING A	ALUES 1	F VIS	ON-OC	CURPENC TY	€ OF
VSBY (MP)		N	NE	E	\$E	\$	Sw	w	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	. 1	.1	.c	.0	.0	.0	.0	.0	.0	.1	
C1/2	NO PEP	.0	.0	.0	,0	.0	.0	. 0	.0	.0	.0	ō	
	TOT %	ŏ	ä	.1	.0	• 6	•0	ŏ	·ŏ	ŏ	iš	, i	
	PCP	.0	.1	.0	•0	.0	•0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	. 1	•	.0	.0	•0	•0	.0	.0	.0	•0	.1	
	TOT \$	. 1	.1	.0	.0	+0	ø0	.0	.0	.0	•0		
	PCP		.3	.0	.1	.0	.0	.0		.0	•0	.4	
1<2	NO PCP	. 1	.0	۰.	•0	•0	40	.0	.0	.0	•0	.1	
	TOT %	.1	.3	.0	•1	•0	•0	.0	•	.0	•0	, 9	
	PCP	.,	.3	.1	•0	•0	•6	.0	.0	.0	•0	. 5	
2<3	NO PCP		,5	• 1	•1	• 1	• 9	.0	• 1	.0	.0	1.3	
	101 \$			•1	• 1	•1	•0	•0	•1	• 6	.0	1.9	
	PCP	.4	1.2	. 2		•0	•1	.1	•	.0	.0	1.9	
\$<10	NO PCP	5.2	19.2	1.0	•1	• 1	•1	.1	• 1	.0	•1	20.0	
	TOY %	9,4	14.4	1.2	.1	.1	. 2	.1	.1	.0	.1	21.9	
	PCP		.9	.2	•0	•0	•0	.0	•1	.0	•1	1.8	
10+	NO PCP	13.7	49.2	5.4	1.0	. 4	. 5	. 2	1.1	•0	1.9	73.7	
	TOT %	14.3	50.9	4,9	1.0	• 4	• 5	. 2	1.2	•0	2.0	75.5	
	TOT 095												148
	TOT PCT	20.7	65.6	7.3	1.2	. 5	.7	.3	1.4	.0	2.1	100.0	

TABLE 9

								•					
			١	PERCEN'	T FREQ Hith Va	OF WIN	D DIRE	CTION OF V	VB WII	ND SPE	ED		
VSSY (NH)	SPD KTS	N	NE	E	SĒ	5	Sw	4	NW	VAR	CALH	PCT	TOTAL
1001	0-3	.0	•	.0	.0	.0		.0	.0	٠.		.1	483
<1/2	4-10	.6	.ž		:ŏ	:0	•		٥٠	:6	•	:3	
	11-21		•	, Õ		ě	.õ	.0	.0	.õ		· · ·	
	22+	.0	.0	.0		ŏ	.ŏ	• 0	.õ	ŏ		.0	
	TOT \$	•	. 3	•	•0	.0	•1	•0	.0	.0	•	, 5	
	0-3	.0	.0	.0	•0	•0	•0	.0	.0	.0	٠0	.0	
1/2<1	4-10	•0	•0	•0	•0	.0	•0	• 0	.0	.0		.0	
	11-21	•	.1	•		.0	٠٥.	.0	.0	.0		.1	
	22+	•0	.0	•0	•0	٠٥.	.0	• 0	•0	.0		.0	
	TOT \$	•	•1	•	•	•0	•0	•0	•0	.0	•0	.1	
	0-3	•1	•	•0	•0	.0	.0	.0	.0	.0	.0	.1	
1<2	4-10	•	•1	•0	•0	•0	•0	٠0	•	•0		•1	
	11-21	•1	.2	•0	•	•0	•0	•0	٠.	.0		.3	
	22*	٠0	•0	•0	•0	.0	•0	٠0	•0	•0		٠.0	
	TOT &	+2	.3	•0	•	•0	•0	•0	•	•0	•0	.5	
	0-3	•1	•1	•1	.0	•0	•0	•0	•0	.0	•0	.3	
2<5	4-10 11-21	• • 3	. • •	• 1	•	•	٠.٥	٠0	•0	• 0			
		.5	1.0	•1	•	•0	.0	•0	•	.0		1.6	
	22+ TOT \$	.1	. • 1	•0	•0	•0	٠0	٠,٥	•0	•0	_	- 1·1	
		.,	1.5	.3	•1	•	•0	٠,0	•	.0	•0	2.9	
	0-3	+1	•1	•0	• 0	•	•0	•0	•0	.0	9	.4	
5<10	4-10	2.1	4.5	. 8	•1	•0	•1	•1	.1	.0		7.7	
	11-21	2.6		.3	• 1	.0	•	•	•	.0		9.7	
	22+	•1	.6	•	•0	.0	.0	•0	.0	•0		. 8	
	TOT S	4.9	11.9	1.1	•2	•	•2	-1	•1	•0	•	18.6	
	0-3	1.0	1.5	1.0	.2	•1	. 2	•1	. 2	.0	2.8	7.1	
10+	4-10	2.6	26.0	4.3		.3	• •	• 2		.0		42.4	
	11-21	5.0	70.4	• •	•1	•0	•0	•	.3	.0		26.7	
	22+	1		.•1	0	•0	•	٠ç	0	.0		1.1	
	TOT \$	15.7	48.7	6.3	1.1	• •	.6	.4	1.3	.0	2.0	77.3	
	TOT 065					_	_	_	_	_			2056
	TOT PCT	21.7	62.8	7.8	1.4	.5	• 9	. 5	5	•0	Z.9	100.0	

PAGE 404

(i

	£	R	R	u	۸	R	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 10

AREA 0006 NATUNA ISLAND 3.5N 107.1E

PERCENT FREQUENCY OF CPICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.4	.4	.4	11.7	12.9	10.2	3.1	.0	•0	•0	39.1	60.9	256
<b>9</b> 0360	.4			7.3	15.1	7.7	. 8	•0	.0	.4	33.2	66.8	259
12615	.0			8.0	15.1	3.6	1.7	.4	•0	•0	30.7	69.3	238
13621	.0	•0	1.9	5.7	7.6	8.1	1.9	.9	.0	.5	26.5	73.5	211
TOT PCT	.2	.5	9	80 8.3	124	72 7.5	18	.3	0	.2	315 32.7	649	964 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUER	ICY VSB1	Y (NH)	BY MOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HDUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	1.4	.0	.6	2.6	17.2	78.3	506	00603	.4	1.6	13.7	26.9	59.4	249
90360	.5	.3	.5	2.0	17.4	79.3	●06	<b>9020</b>	.4	2.4	10.7	23.7	45.6	253
12615	.0	.2	.7	3.7	22.6	72.8	460	12615	•0	1 =	11.5	21.1	67.1	228
18621	•5	.0	.6	3.6	17.4	78.1	494	18621	•0	2.0	10.2	10.5	71.2	205
TOT PCT	11 •5	.1	12 • 6	2.9	383 18.5	1399 77.3	2068 100.0	TDY PCT	.2	18 1•7	109	213 22.8	613 65.6	935 100.0

PERCENT PREGUENCY OF RELATIVE HUMIDITY BY TEMP
TOTAL PET
TOTAL PET
TOTAL PREGUENCY OF READ-60 70-79 80-89 90-100 OBS PREG TEMP F .2 .2 .1 .0 1.0 3.3 .4 .0 1.1 19:1 27:6 7:1 .0 4.0 23:7 11:2 .0 .0 .1 .2 19 218 423 151 2.3 26:7 51.9 18:5 8 1.0 39 4.8 448 55.0 317 38.9 3 .4 815 100.0 90/94 85/89 80/84 75/79 70/74 TOTAL PCT •••••• . . . . . . . . 

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP .0 .1 1.7 .5 .0 .0 .0

TABLE 16

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

PERCENT PREQUENCY OF RELATIVE MINISTRY BY HOUR

				FERGER		0	, , , ,	• • • •	1 100h		PENG	CHI PRE	QUENC 1	UF	ILLE M	Dufolii	91 NUU	•
HOUR (GHT)	XAH	992	95%	90%	51	1%	MIM	HEAM	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00203 06209 12215 18621 TOT	90 93 88 86 93	87 90 84 83 88	84 86 83 82 84	80 81 80 79	77 77 77 76 77	75 74 75 73 75	73 70 68 72	80.0 81.3 80.0 79.1 80.2	602 873 582 692 2749	00203 00209 12215 18221 TOT	•••	1.8 •0 •0	5.8 1.9 .6	19.9 44.8 21.4 17.8 218	55.5 76.8 57.3 61.1 427	24.2 10.8 19.4 20.6	85 80 84 85 63	211 223 206 180

FEBRUARY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL: 1856-1973

TABLE 17

AREA 0006 NATUNA ISLAND 3,5N 107.1E

PCT FREO OF AIR TEMPERATURE (DEG F) AND THE CICURAENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	65 68	69 72	73 76	77 80	81 84	65 68	89 92	>92	TOT	FOG	FOG
11/13	.0	,0	.0	.1	.0	.0	. 1	.1	4	.0	.3
9/1C	•0	.0	.0	.1	. 1	į	. 4	.0	11	•0	. 8
7/8	.0	• 0	.0	.1	. 1	100	• 2	.0	21	•0	1.5
6	.0	.0	.0	.0	. 1	. 4	. 1	.0	9	•0	•7
5	.0	.0	.0	. 3	1.2	.6	.0	.0	29	• 0	2.1
4	.0	.0	.1	. 7	3,2	1.1	.0	.0	71	• 5	5.2
3	.0	î.c	.0	. 4	1.5	.1	.0	.0	27	.0	2.0
2			.2	2.4	8,7	. 4	.0		160	• 5	11.7
ī	ŏ	.0	.0	4.0	4.3	i	ŏ	.ŏ	113	•1	8.2
ō	·ŏ	.1	.4	13.9	15.8	ii	ň	.0	414		30.4
-ĭ	ŏ		ii	6.7	2.9	:0		.ŏ	132	•0	9.7
-2				10.1	4.5	.0	ě				15.5
-5		,1		2.9				•0	211	•0	3.8
	•0	.0	1		. 6	•0	٠.	•0	52	•0	
-4	•0	•0	1.4	3.0	• •	٠ó	•0	•0	66	•0	4.8
-5	.0	•0	. 4	1.0	. 3	٠į	•0	• 0	25	•0	1.8
-6	•0	.0	. 1	. 4	.0	.0	.0	.0	7	•0	. 5
-7/-6	.0	.0	.1	. 2	.0	.0	.0	.0	5	•0	. 4
-9/-10	.0	.0	.2	• 1	.0	. 0	•0	.0	5	• 0	. 4
-14/-16	. 1	.0	.0	.0	.0	.0	•0	.0	1	•0	.1
TOTAL	1		56		802		12			1	1362
067		. 2	4.1	633	44.3	56 6.1		ļ	1343	.,	09.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FRES D	F WINC	SPEED	(KTS) AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-93	34-47	48+	PCT	1+1	4=10	11-21	4E 22-33	34-47	48+	PCT
MG:	1-3	1.1	•0	.0	.0	•0	1.1	-	2.4	.9	.0	•0	.0	3.5
1-2	.2	2.3	.9	.0	.0	.5	3.4	;,		6.1	.0	•0		20.6
3-4	.5	1.9	3.1	.0	ě		5.0			17.4	.7	.0	.ŏ	26.8
5-6	.0		2.2	.0	.ŏ	.0	2.0	• 0		10.6	1.4	•0	.0	14.2
7	:0	:5		••	.,			• 0		4.1	1.1	•0	.0	5.7
8-9	.ŏ	.8	•2	.2	.5		.3			2.3	•::	.5	.0	2.4
10-11	.ŏ	.0	.2	:5			ž			• • • • •	: ;		.0	1.2
12	.5	.ŏ	.0	.0	.0	.0	.0					•0	.0	••0
13-16	.0	.ŏ	.0	.0	.ŏ	•0	.0			.0		•0	.0	•0
17-19	.0	.ŏ	•0	.5	:5	.0	.0	.0			.0	•0	.0	•0
20-22	.0	:0	•0		.0	.0		• 0		.0	.0	.0	ŏ	•0
23-25		.ŏ	•0		ě	.ŏ					•0	•0	.ö	.0
26-32	.0		.0		:0	.0				.0	.0	.0	.0	.0
33-40			•0	.0	.0	.0	.0	:0		.5		•0		.0
41-48			•0			•0		• 6				•0		.0
49-00	.0	.0	•0	•0		•				.0		•0	.0	•0
61-70	ŏ	.0	•0	.0	.0					.0		•0		.0
71-86	ŏ	.ŏ	•0	.0	.0			:		.0		.0	.0	.0
87+		.0	.0	.0	ŏ		.0					.0		.0
TOT PCT	.2	5.9	7.2	•2	.0	·ŏ	13.5	1.0		42.3	3.8	•0	.0	74.4
				E							SE			
HGT	1-3	4-10	11-21	22-33	84-47	48+	"CT	1-3		11-21	22-33	34-47	48+	PCT
<1	.0	. 0	•0	•0	.0	•0		•0		.0	.0	•0	.0	. 2
1-2	.0	2.0	.3	.0	.0	•0	2.3	•0		.0	.0	•0	.0	•1
3-4	.0	2.4	.4	.0	.0	•0	2.0	•(	3	.0	.0	•0	•0	•0
5-6	.2	.2	. 9	. 2	.0	•0	1.5	• (		.1	.0	•0	.0	.1
7	٠0	.0	•2	•0	۰0	•0	.2	.0		.2	•0	•0	.0	. 2
8-7	•0	.0	•0	.0	.0	•0	•0	• (		.0	•0	•0	•0	•0
10-11	•0	.0	•0	•0	.0	•0	.0	• (		.0	•0	•0	.0	•0
12	.0	.0	•0	.0	.0	•0	•0	•0		.0	.0	•0	.0	•0
13-16	.0	.0	•0	.0	.0	•0	•0	•0		.0	.0	•0	•0	•0
17-19	.0	•0	•0	•0	• • •	•0	•0	•0		.0	•0	•0	•0	•0
20-22	.0	.0	•0	.0	.0	•0	•0	• (		.0	•0	•0	.0	•0
23-25	.0	.0	•0	•0	٠,	•0	•0	•0		•0	•0	•0	.0	•0
26-32	•0	•0	•0	•0	•0	•0	•0	• (		•0	•0	•0	•0	•0
33-40	.0	•0	•0	•0	.0	•0	•0	• (		.0	-0	•0	.0	•0
41-48	•0	.0	•0	•0	•0	•0	•0	•0		•0	•0	•0	.0	.0
49-60	.0	•0	•0	•0	•0	•0	•0	•(		•0	•0	•0	•0	•0
61-70	.0	.0	•0	•0	.0	• 0	•0	•(		.0	•0	•0	.0	.0
71-86	.0	.0	•0	•0	.0	•0	•0			•0	•0	•0	•0	•0
87+	•0	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0
TOT PCT	• 2	5.4	1.8	•2	•0	•0	7.6	• (		.3	•0	•0	•0	•6

PASE 406

(,

PERIOD	t (OVE	R-ALL 1	1963-	1973					FEBRUARY							
,			.,,,,	.,,,				TABLE	18 (004	T)			AREA	0006	MATUNA SN 107	
				PC	T FREQ D	F WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS	SEA HEIG	CHTS (FT	,		
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT		1-3	4-10	11-21	SW 22-33	34-47	48+	PCT	
<b>&lt;1</b>	.0	.0	•0	•0	.0	.0	.0		•0			•0	•0	.0		
1-2	.0	.2	•0	•0	• • •	•0	.2		.0			.0	•0	.0	. 5	
3-4 5-6	•3	.2	•0	.0	•0	•0	.2		.0		•••	•0	•0	.0	.0	
7	٠.	•0	•0	•0	• • •	•0	.0		• 0			.0	• 0	.0	.0	
8-9	.0	.0	•0	•0	.0	•0	•0		.0			.0	•0	.0	.0	
10-11	.0	.0	•0	•0	•0	•0	•0		.0			•0	• 0	•0	.0	
12	.0		•0	.0	.0	.0	•0		.0			•0	•0	.0	.0	
13-16		.ŏ	.0	.0	.0	:0	•0		• 2			• 0	•0	.0	.0	
17-19	.0	.0	•0	.0	.0	.0	.0		•0			•0	•0	•0	•0	
20-22	.0	.0	•0		.0	.0	.0		.0	.0		•0	•0	•0	•0	
23-25	.0	.0	.0	.0	٥٠		č		.0			•0	•0	.0	•0	
26-32	.0	.0	.0	.0	.0	.0	ěŏ		.0			•0	•0	•0	•0	
33-40	.0	.0	•0	.0	.0	.0	.0		.0			•0	•0	•0	•0	
41-48	.0	•0	•0	•0	.0	•0	•0		,0			.0	•0	.0	•0	
49-60	.0	.0	•0	.0	.0	.0	.0		.0			.0	•0	.0	•0	
61-70	.0	.0	•0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	•0	٠٥.	.0	•0	.0		• 2	. 0			.č		•0	
87+	•0	.0	•0	.0	.0	•0	.0		٠.	.0		.5	.5	.5	.0	
TOT PCT	•0	.5	•0	•0	•0	•0	.5		• າ	. 5	•0	•0	•0	.0	. 5	
=				w								NW.				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48-	PCT	PCY
<1	•0	.5	•0	.0	. 9	•0	•0		•0	• 0		•0	•0	.0	.0	•
1-2 3-4	:0	:0	.0	.0	.0	.0	•0		.0	. 3	2	.0	.0	.0	. 6	
5-6		.0	.0	.0	٠.	•0	•0		• 0	. 1		.0	.0	.0		
7		.0	.0	.0	.0	•0	•0		.0	•0		.0	•0	.0	.0	
8-9		.0	•0	.0	.5	.0	•0		.0	•0	• • •	.0	•0	.0	.0	
10-11		.0	•0	.0		.0	•0		•0	• 2		-0	•0	•0	•0	
12	.0	.0	•0	.0	.0	.0	•0		•0	•0		•0	•0	•0	•0	
13-16	. 0	.0	•0	.0	3.		č		.0	:8		•0	•0	•0	•0	
17-19	.0	.0	•0	.0	.0	•0	.0		.0	.0			•0	•0	•0	
20-22	.0	.0	•0	•0	.0	•0	•0		۰٥			•0	•0	.0	••	
23-25	٠.	•0	.0	. ,	.0	•0	.0		ě	ŏ		•0	.0	.0	•0	
26-32	•0	•0	•0	•0	.0	•0	•0		.0	Č		.0	•0	.0	•0	
33-40	•0	•0	•0	•0	.0	-0	. 5		. 0	.0		.0	•0	.0		
41-48	.0	•0	•0	•0	•c	•0	•C		.0	.0	.0		•0		.0	
49-60	.0	•0	•0	•0	.0	•0	•0		.0	•0		•0	•0	.0	.0	
61-70 71-86	•0	.0	•0	•0	•¢	-0	•0		• • • •	۰0		•0	•0	.0	.0	
87+	.0	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	.0	•0	
TOT PCT	.ŏ	.0	•0	•0	٠.	•0	•0		•0	•0		•0	•0	.0	•0	
.311	••	••	•0	•0	•0	•0	•0		•0	. •	••	•0	•0	•0	1.0	97.9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.3	4.5	.9	.0	.0	.0	7,8	OBS
1-2	9	19.2	7.6		.0	.0	27.7	
3-4	. 9	12.4	21.3		.0		35.2	
5-6	• 2	2.7	14.0	1.6	.0	.0	18.5	
7	.ö	.5	5.0	iii	.0		6.6	
8-9	.0	.0	2.5		.0			
10-11			.,		.0	•0	2.7	
12			.0	.0		.0	1.4	
13-16	.ŏ	.0			•0	.0	.0	
17-19			.0	٠,	.0	.0	.0	
20-22		••	•0	•0	.0	.0	•0	
	.0	•0	• C	٥.	•0	.0	•0	
73-25	٠0	•0	.0	.0	.0	.0	.0	
26-32	.0	•0	•0	•0	•0	.0	.0	
33-40	.0	•0	•0	.0	•0	.0	.0	
41-48	•0	•0	•0	.0	•0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.õ	
61-70	•0	.0	•0	.0	•0	.0		
71-86	.0	.0	•0	.0	•0			
87+	.0	.0	.0	.0	.0	.ŏ	:ŏ	
			•••	•••	•••	••	••	437
TOT PCT	4.3	39.4	52.2	4.1	•0	.0	100.0	

PERIO	D: (0V	ER-ALL	) 194	9-197	,				TABLE	19											
					PERCENT	FRE	QUENCY (	JF WA	VE HEIG	HT EF	r) ys 1	IAVE PI	ERIOD	(SECON	120						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1-7	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6.7	4.6	15.8	18.3 8.2	7.9	2.1	.4	.1	.0	.0	,0	;0	.0	.0	۰,0	.0	.0	.0	۰,0	۰.	382	HGT 3
6-7 8-9 10-11 12-13	•0	•0	2.4	2.7	3.5	1.2	1.2	:3	•1	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	214	5
12-13	•0	••	.9	:3	1.0	.3	•1	.0	•0	.0	:0	•0	.0	•0	.0		.0	•0	.0	27	6
>13 INDET	2.6	1.0	1.5	. l	٠0	- 1	•0	.0	•¢	.0	• 0	• • •	.0	•0	•0	.0	•0	•0	.0	13	7
TOTAL	57 7.3	150	248	148	92	35	22	••	•¢	•	.0	•0	•0	•0	• 0	•0	•0	•0	.0	52 777	3

TABLE 1

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENT	FREGUENCY	ΩF	MEATHER	DCCURRENCE	87	is this	DIRECTION

			•	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG HD PCPN	FOG WO PCPN PAST HR	HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	3.5	1.5	.2	.0	.6	.0	.0	5.2	2.3	.5	.2	.0	. 5		91.1
NE	1.7	.7	1.1	.0	•0	.0	•0	3.4	1.3		.5	•0	• 3	•0	94.1
E	.7	.6	.0	.0	•0	.0	• 0	1.3	2.2	1.9	.0	.0	•0		94.6
SE	1.6	.0	.0	.0	.0	.0	.0	1.6	2.0	.0	.0	۰,0	1.6	•0	94.9
2	2.4	.0	.0	.0	.0	.0	.0	2.4	2.4	٠.	.0	.0	•0	• 0	95.2
S#	3.5	.0	.0	.0	•0	•0	.0	3.5	3.5	7.0	٠0	•0	•0	•0	86.0
W	21.1	.0	.0	.0	•0	.0	.0	21.1	•0	.0	õ	.0	•0	•0	78.9
Nh	7.1	4.5	.0	.0	•0	. ŭ	•0	11.6	. 9	1.8	ذ ،	.0	.0	•0	85.7
VAR	.0	.0	.o	.0	.0	.0	.0	.0	.0	.0	. 5	.0	.0	.0	.0
CALM	1.2	.0	.0	.0	•0	•0	•0	1.2	1.2	1.2	1	•0	1.2		94.2
TOT PCT TOT CBS:	2.0 1667	.8	.7	.0	•0	•0	•0	3.4	1.6	. 8	••	•0	.4	•0	93.5

TABLE 2

PERCENT	FREQUENCY	Qř	WEATHER	OCCURRENCE	BY	HOUR
		-	_			

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	TENA	
HOUR (GMT)	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST HDUR	THOR LTNG	FOG NO PCPN	FOG WO PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUS BLWG SNO	
00603 06409 12615 18621	2.0 2.2 1.3 2.4	1.0 .3 1.1	.7 .6 .5	.0	.0	.0	.0	3.3 3.7 2.1 4.0	2.0 1.8 1.6	.2 .4 1.3 2.1	.4 .2 .3 .5	.0	.4	.0 .0 .0	93.6 93.3 94.6 92.5
TOT PCT TOT 085:	2.0 1701		.6	•0	•0	•0	•0	3.3	1.6	.9	.4	•0	•4	•0	93.5

TABLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wI	40 SPE	ED CKN	075)								HOUR	(GHT)			
WND DIR	0=3				34-47	48+	TOTAL UBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	2.3	10.1	2.4	.1	•0	•0		14.9 52.3	7.4 8.9	14.7 52.4	9.0	57.2	15.9	19.0 52.1	14.7 57.5	16.1	19•1 43•7
S E	2.2	3.0	1.5	.1	•0	•0		13.9	6,7 5,2	14.5	9.0	15.1	12.6	2.9	2.8	3.3	6.8
S Su	1.0	1.3	.1		•0	•0		2.4 1.8	5.6	2.1	3.5 3.1	2.0 1.3	2.6 3.1	1.9	2.0	2.5 1.6	3.1
W Nu	.3	1.3	.1	.0	•0	•0		1.2	6.0	1.3 1.4	1,7	1.5	1.8	2.7	2.4	1.8	3.0
VAR Calm	7.2	•0	.0	•0	•0	•0		7.2	.0 7.3	•0 ••9	2.8	.0 5.0		•0	2.4	11.8	9.7
TOT OBS	585 19.6	1797	584 17.6	20 •7	1	•0	2987	100.0	7.3	506 100•0	144	100.0	371 100.0	455 100.0	124 100+0	422 100•0	300 100•0

## TABLE 3A

WHD DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00 03	HgUI 06 09	12 12 15	18 21
N	7.4	7.0	.5	•0	.0		14.9	7.4	13.4	13.5	18.1	15.7
NE	18.1	31.3	2.8	.1	.0		52.3	8.9	51.5	55.4	53.3	47.8
ę	8.0	5.6	.2	•	.0		13.9	6.7	16.2	14.2	11.4	13.5
3£	3.3	1.2	.0	•0	, à		4.4	5.2	5.6	4.3	2.9	4.8
\$	1.8	.6	.0	.ŏ	.0		2.4	4.6	2.4	2.2	2.2	2.8
Sw	1.2	.6	.0	.0			1.1	5.6	2.2	1.9	1.6	1.5
¥.		.2	.1	.0			1.2	6.0	1.4	1.6	.6	.7
NW	1.1			.o	.ō		1.4	6.4	1.2	1.4	2.7	2.3
VAR	0	.0	.0	iŏ	, Ö			.0	Ĩ,õ	.0	0	
CALH	7.2	••	• • •	••			7,2		0.0	3.5	7.1	10.9
TÖT GOS	1467	1406	110	•	0	2987		7:3	650	1036	579	722
TOT PET	49.1	47.1	3,7	•i	٠ŏ	•	100.4				100.0	

MARCH

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1867-1973

TAPLE 4

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
60300	6.0	13.5	62.7	18.0	. 2	.0	.0	7.1	100.0	650
90360	5.5	12.4	59.	21.7	. 8	.0	.0	7.7	100.0	1036
12615	7.1	10.5	60.4	20.4	1.4	. 2	.0	7.7	100.0	579
18621	10.9	12.7	56.7	17.2	.4	• 0	.0	6.8	100.0	722
TOT	216	369	1797	584	20	1	0	7.3		2987
PCT	7.2	12.4	60.2	19.6	.7	•	.0		100.0	-

TABLE 5

TABLE 6

,	CT FRE			CLOUD A		(EIGHTHS)		4					CEILIN NH <5/					
WHO DIR	0-2	3-4	5-7	8 & 085CD	TCTAL CBS	HEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 49 <b>9</b> 9	5000 6499	6500 7999	R000+	NH <5/8	
25	2.8	3.6	5.7	1.9		4.7	•0	•0	. 2	.8	1.2	.7	.1	•1	•0	•1	10.5	
NE	10.5	18.1	23.4	5.6		4.6	•	. >	.,	2.3	5.4	4-1	1.4	.4	•0	•0	42.9	
E	3.2	4,0	5.2	1.1		4.3	• 1	• 0	. 1	.7	. 6	. 5	. 3	• 1	.0	.0	11.0	
ŠE	1.1	. 7	1.2	• ?		4.0	•0	. ^	.0	•1	. 2			•0	•0	•0	2.6	
Š	. 5	. 3	1.1	.2		4.8	•0	•0	.0	•1	. 2	. 4	.0	•0	.0	.0	1.4	
SW	. 4	. 8	.4	• 0		3.5	•0	•0	.0	. C	. i	. 3	.0	•0	20	.0	1.2	
¥	.0	.0	.1	• 2		7.2	•0	•0	.0	.0	ž	.0	.0	.0	•0	.0	• 2	
NW	. 2	. 1	. 8	. 4		5.9	• 0	.0	. 1	.1	. 3	.1	.0	•0	.0	.0	.9	
VAR			.0	.0		•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALH	2.4	1.3	2.1	.4		3.6	•0	• 0	.0	. 3	•0	. 5	.1	•0	•0	.0	5.3	
TOT DBS	217	296	415	134	1034		ĭ	Ť	76	52	38	69	21	ě	. 6	ĭ	788	1034
TOT PCT	21.0	28.8	40.1	10.1	100.0		•1	• 2	. 6	5.0	6.5	6.7	2.0	• 6	•0	• 1	76.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	a OR	<ul> <li>OR</li> </ul>	• GR	■ DŘ	• DR	- OR	. OR	
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	
DR >6500	.1	.1	.1	.1	.1	.1	.1	
OR >5000	.6	.7	.7	, 7	.7	.7	.7	
OR >3500	2.4	2.5	2.6	2.6	2.6	2.6	2.6	
DR >2000	7.6	8.9	9.3	9.3	9.3	4.3	9.3	
DR >1000	13.2	16.8	17.6	17.6	17.6	17.3	17/6	1

= DR >6500 = DR >5000 = DR >3500 = DR >2000 = DR >1000 = DR >600 = DR >150 = DR >150 = DR > 0 = DR > 0

TOTAL NUMBER OF OBS: 1059

PCT FREQ NH 45/81 76.6

TABLE 74

PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

TOTAL
TOTAL 1 2 3 4 4.1 15.3 23.1 20.4 19.3 8.n 6.9 4.6 4.2

	۰	

	MARCO	
PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1867-1973	TABLE 8	AREA 0006 HATUHA ISLAND 3.6N 107.0E
	DESCENT FRED OF WIND DIRECTION VS OCCURRENCE OR NON-OCCU	URRENCE OF

VSBY (NN)		N	NE	E	SE	S	Sw	×	ИЖ	VAR	CALM	PCT	TOTAL
	PCP	٠,	٠.	.0	.0	•0	.0	.0	•0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
	TOT \$	.0	•0	.0	.0	•0	•0	•0	.0	•0	•0	•0	
	PCP	•	. 1	•0	.0	•0	•0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	.0	. 1	. 1	.0	•0	•0	•0	.0	.0	.0	.1	
	TOT %	•	. ?	.1	•0	•0	•0	•0	•0	.0	•0	,2	
	PCP	.1	. 1	.0	.0	•0	•0	.0	.1	.0	•0	.2	
1<2	NO PCP	. 1	. 1	•0	.0	•0	• 0	.0	.0	.0	•0	.2	
	TOT #	. 2	• 5	•0	•0	•0	•0	.0	.1	•0	• 9	.4	
	PCP	. 5	.3	.0	•0	•0	• 1	.1	. 1	.0	•0	.8	
2<5	NO PCP	.1	1.1	• 1	.0	• 1	•	•0	. 1	•0	• 1	1.5	
	TOT %	.4	1.4	•1	•0	•1	٠i	•1	.2	•0	• 1	2.3	
	PCP	.3	.5	.2	. 1	•0	•0	.1	.0	.0	• 1	1.3	
5<10	NO PCP	2.0	7.4	1.4	• 1	.3	•	. 1	.1	•0	• 1	11.5	
	TOT \$	2.3	8.0	1.0	• 2	. 3	•	. 2	•1	•0	• 2	12.7	
	PCP		.7	•	.0	~1	•0	.0	•	.0	•0		
10+	NO PCP	11.3	45.5	12.9	3.6	2.1	1.6	. 3	1.3	•0	4.9	83.4	
	TOT %	11.4	46.0	12.9	3.6	2.2	1.6	.3	1.4	•0	4.9	84.3	
	70T 083												166
	TOT PCT	14.2	55.7	14.6	3.8	2.5	1.7	.6	1.7	.0	5.1	100.0	

TARLE 9

VSBY	SPD	N	NE	E	SE	S	SH	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												QBS
	0-3	.0	.c	•c		.0	٠.	•0	.0	۰.	.0	•	
<1/2	4-10	.0	.1	.0	.0	•0	.0	.0	.0	.0		•1	
	11-21	.0	.0	•0	•0	•0	.0	•0	•0	•0		•0	
	22+	.0	•0	.0	•0	•0	.0	•0	•0	.0	_	٠0	
	TOT S	.0	• 1	.0	•	•0	۰,0	•0	.0	•0	•0	.1	
	0-3	.0	.0	•	.0	.0	.0	•0	.0	.0	.0		
1/2<1	4-10	.0	•	.0	•0	•0	.0	•0	•0	.0			
	11-21	•	- 1	•	•0	•0	.0	•0	•0	.0		•1	
	22+	.0	•0	•0	•0	•0	.0	.0	•0	.0	_	.0	
	TOT \$	•	•1	•1	•0	•0	.0	•0	٠.	.0	•0	.2	
	0-3	•0	•0	.0	•0	•0	٠0	.0	٠.	.0	•0	.0	
1<2	4-10	• 1	.3	•		•0	٠.٥	٠٥	- 1	٠,٥		. 5	
	11-21	• 1	•	•9	• 6	•0	•0	•0	•0	•0		- 1	
	22+	•0	•0	.0	.0	•0	:0	.0	.0	•0		:0	
	TOT X	•2	.3	•	•	•0	•0	••	•1	•0	•0	• •	
	0-3	•0	•0	•	•0	•1		•0	.0	.0	-1	. 3	
2<5	4-10	•1	• 7	•;	•	•0	•	•1	• 1	.0		1.2	
	11-21	•2	•7	•0	•0	.0	٠.0	.0	-1	.0		1.0	
	22+	-1	. •	•0	,c	• 0	.0	•0	•	٠,		.1	
	TOT \$	.3	1.5	.2	•	•1	.1	.1	.1	.0	-1	2.5	
	0-3	.1	.4	•1	•0	•1		•0	- 1	.0	.3	1.1	
5<10	4-10	1.1	3.1	1.0	• 1	•1	. 1	•	.1	•€		5.8	
	11-21	. 8	3.2	.2	•0	.0	•0	• 1	•	.0		4.3	
	22+	•	.1	.0	•0	.0	٠,	•0	.0	.0		1	
	TOT \$	2.1	5.8	1.3	•1	.2	•1	•1	.2	.0	.3	11.3	
	003	1.8	3.7	2.0	1.2		٠.,	.3	3	.0	4.4	16.9	
10+	4-10	4.6	29.4	••)	2.3	1.1	1.1	.3	1.1	•0		12.6	
	13-21	1.5	12.0	1.4	•1	•	-1		-1	.0		15.2	
	22+		45.5		٥٠	0	1.7		1.5	.0		85,1	
	TOT %	12.0	97.7	12.1	3.6	1.9	4.1		4.3	.0	3.4	-201	
1	280 TQ1												219
3	TOT PCT	14.4	EA . 9	12.7	3.8	2.1	1.4		1.9	۸۵.	A . B	100.0	

MARCH

PERIOD:	(PRIMARY)	1924-1973
	INVER-ALL S	1867 973

TABLE 10

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENT	FREQUENCY D			>4/81	AND

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8	
10603	.0	•0	.3	3.4	6.8	6.5	1.7	.7	.0	•0	19.4	80+6	274
00360	. 3	.0	.3	5.5	6.4	7.0	2.1	.3	.5	•0	21.7	78.1	329
12615	.0	.0	.4	7.3	7.3	6.9	2.8	1.2	.0	•0	26.0	74.0	246
18621	.0	-8	1.2	2.8	11.7	4.5	.8	.0	.0	.4	22.3	77.7	247
TOT	1	2	6	53	88	70	21	6	0	1	248	868	1116

TABLE 11

TABLE 12

		PERCENT	FREGIEN	CY VSBY	(NH)	BY HOUR		CUMULAT					VSBY (NH) SUCH YBLE	
HOUR (GMT)	<b>c</b> 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <b>&lt;</b> 5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00203	.4	.2	.7	1.1	10.9	86.6	539	€0300	•0	.4	4.7	15.6	79.6	279
90360	.1	.1	. 5	2.6	10.9	86.0	700	96609	.3	.6	8.0	15.7	76.4	313
12615	.0	.2	1.1	2.3	12.5	83.9	472	12615	.0	.4	9.0	18.8	72.2	234
18621	.0	.4	.8	3.4	10.7	84.3	522	18621	•0	2.1	8.6	17.6	73.8	233
TOT PCT	.1	.2	15	55 2.5	250 11.2	1905 85.3	2 <b>23</b> 3	TOT PCT	.1	9	79 7.5	178 16.8	802 75.7	1059

TABLE 13

TABLE 14

	PERC	ENT FR	EOUENCY	Y OF R	ECATIV	E HUMI	DITY S	Y TEMP	TOTAL	PET		PERC	ENT FR	EONEHC	Y OF W	IND DIF	RECTIO	N 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100		PREQ	N	NE	٤	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.1	.0	.0	.0	1	•1	.0	.0	•1	.0	.0	.0	.0	.0	•0	.0
90/94	.0	.0	•0	.1	. 5	.4	.3	.0	13	1.4	.0	1.2	• 2	.0	.0	.o	.0	.0	• 2	.0
85/89	.0	.0	.0	•0	1.5	5.9	2.0		46	9.4	. 7	4.6	1.9	.6	. 5	.2	.1		.0	
80/84	.0	.0	• 0	•0	1.2	22.2		6.9	643	70.0	7.8	40.6	9.7	2.7	1.9	1.2	. i	1.1	.0	4.9
75/79	.0	.0	•0	•0	• 1	1.8	11.8	5.4	176	19.2	4.0	10.2	2.6	.2	1.1	.0	. 4		•0	1.2
TOTAL	0	0	Ó	i	32	279	494		919	100.0	*-				• • •		• •	• • • • • • • • • • • • • • • • • • • •	•	•••
PCT	•0	.0	•0	•1		30.4					12.5	56.5	14-4	3.4	2.5	1.4	.5	1.7	•0	6.9

TABLE 15

TABLE 16

	MEANS,	EXTREM	S AND	PERCEN	TILES	OF TE	1P (DE	G F) B	Y HOUR		PERC	ENT FRE	OUENCY	OF RELA	TIVE H	UMIDITY	ву начя	l .
HDUR (GHT)	MAX	991	95%	50%	5x	1%	HIN	MEAN	TOTAL OBS	HOUR (GMT)	0÷29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00200	95 96	88 91	85 88	81 82	77 78	75 76	72 68	81.2 82.6	648 1015	£0300	•0	• 0	11.0	21.5	65.6 33.1	12.6	84 78	247 272
12615	91	87	84	81	77	75	73	81.1	582	12615	.0		•0	27.9	56.7	15.4	83	208
1862) TOT	96	90	83 86	81 81	77 78	76 75	74 68	80.4 81.4	726 2971	18621 TOT	•0	•0 1	1.4 34	288	63.1 507	10.6	84 82	217 944

HARCH

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1867-1973

TABLE 17

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCUMPENCE OF FUG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	85	89	>92	TOT	Ħ	₩D
THP DIF	72	76	80	84	88	92			FOG	FOG
	_	_		_	_		_	_	_	
14/16	.0	•0	.0	٠,	.0	. 1	.0	1	.0	:1
11/13	•0	•0	.0	.0	• 1	-1	. 1	•	•0	.3
9/10	.0	• 0	.9	• •	. 2	. 4	.1	10	.0	.6
7/8	.0	.0	.1	.0	.7	.:	.1	18	۰,0	1.2
	.0	.0	.0	.0	. 5	.1	. o	10	.0	.6
6 5	.0	.0	. 1		1.4	ii	.0	38	.0	2,5
4	.0	.0		7.7	1.4	.;	.5	49	.1	4.4
3			:5	1.1	1.4	.0	.0	43	ò	2.8
?	.0			1.1						
2	•0	•0	8	0.3	2.0	• 1	•0	173	•0	11.2
1	•0	•0	1.9	5.7	.3	•0	•0	122	.0	7.9
0	.0	. 3	6.8	20.1	.7	.0	٠٥	432	• 1	27.9
1 0 -1	.0	•0	4.3	6.5	. 1	.0	.0	167	• 1	10.7
-2	.0	•6	7.4	8.8	• 1	.0	.0	261	• 2	16.7
-3	• 0	.3	2.8	2.4	• 1	.0	.0	87	.0	5.6
-4		.3	3.2	1.3	.0	•0	.0	74	•0	4.0
-5		•1	1.2	2		.ŏ		23		1.5
-6				.5	.5	.5				
	•0	•0					.0	6	•0	• •
<b>-7/-8</b>	.0	• 1	.1	. 1	.0	•0	•0	6	.0	.4
-11/-13	.0	•0	.0	.1	.0	• 0	•0	1	•0	.1
TOTAL	1		454		132		4		6	1539
		27		898		23		1545		
97.7	- 1	1.7	10.4	58.1	8.0	1.3	. 2	100.0	- 4	4.00

PERIOD: TOVER-ALL) 1963-1973

TABLE 18

				PC	T FREG D	F WIND	SPEED	(KTS) AND DIREC	TION V	EPSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4=10	11-21	22-33	34-47	48+	*CT
<1	.4	. 8	.0	•0	.0	•0	1.2	.5	4.2	.2	•0	•0	.0	4.9
1-2	. 2	4.8	1.3	•0	,0	•0	6.3	1.1	18.4	8.7	•0	•0	.0	28.2
3-4	.0	2.7	. 9	.2	.0	.0	3.8	.9	6.8	7.2	•1	•0	.0	15.0
5-6	.0	. 2	.4	.0	.0	.0	.6	.0	1.6	4.8	•0	•0	.0	6.3
7	.0	.0	. 5	.2	.0	•0	.7	•0	. 2	2.3	.0	•0	.0	2.5
8-9	٠.	.0	.2	•0	.0	•0	•2	•0	•0	.5	•0	•0	.0	•5
10-11	.0	.0	.0	•0	.0	•0	•0	•0	•0	.2	•2	•1	.0	.5
12	.0	.0	.0	.0	.9	•0	.0	•0	.0	.0	•0	•0	.0	•0
13-16	.0	.0	.0	.0	.0	٠.	•0	•0	•0	.0	•0	•0	.0	•0
17-19	.0	.0	•0	•6	.0	•0	.0	•0	.0	.0	-0	•0	.0	•0
20-22	.0	.0	•0	•0	.0	.0	•0	.0	•0	.0	•0	•0	.0	.0
23-25	.0	.0	.0	٠0	•0	•0	•0	•0	.0	.0	•0	•0	.0	•0
26-32	.0	.0	•0	•0	.0	•0	.0	•0	.0	.0	•0	•0	.0	.0
33-40	.0	.0	•0	•0	.0	•0	•0	•0	•C	.0	•0	•0	.0	•0
41-48	.c	.0	.0	•0	•n	•0	.0	•0	•0	.0	•0	•0	.0	•0
49-60	.0	.0	• 2	•0	•0	•0	•0	•0	•0	.0	•0	•0	.0	•0
61-70	.0	.0	•0	-0	.0	•0	•0	•0	.0	.0	•0	•0	.0	•0
71-86	.0	.0	•0	•0	.0	•0	•0	•0	.0	.0	•0	•0	.0	•0
87+	.0	.0	.0	•0	.0	•0	.0	•0	.0	.0	•0	•0	•0	•0
TOT PCT	•6	8.6	3.3	•3	•0	•0	12.9	2.5	31.5	24.0	.3	•1	•0	58.0
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	2.0	.0	.0	.0	٠.	3.1	. 2	.7	.0	.0	.0	.0	, 9
1-2	.0	5.4	. 6	•0	.0	•0	6.0	.0	1.6	.0	.0	•0	.0	1.6
3-4	.0	.5	. 9	•0	.0	.0	1.4	,c		, i	•0	•0	.0	
5-6	.0	.0	. 3	.0	.0	•0	.3	.0	.0	.0	.0	+0	.0	.0
7	.0	.0	.3	•0	.0	•0	. 3	.0	.0	٥.	.0	•0	.0	•0
8-9	.0	.0	•0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	•0
10-11	.0	.0	.0	٠.	. 2	.0	. 2	•0	.0	.0	.0	•0	.0	.0
12	.0	.0	•0	•0	.0	•0	.0	•0	.0	.0	.0	•0	.0	•0
13-16	.0	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	•0	.0	.0
17-19	.0	.0	•0	•0	٠.	•0	.0	•0	•0	.0	.0	•0	.0	•0
20-22	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	•0	.0	•0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
26-32	.0	.0	.0	•0	.0	•0	•0	•0	:0	.0	.0	•0	.0	•0
33-40	•0	.0	•0	•0	.0	•0	•0	•0	.0	.0	•0	•0	.0	•0
41-48	.0	•0	•0	.0	•0	•0	.0	.0	.0	.0	.0	•0	•0	•0
49-40	.0	.0	.0	.0	.0	•0	.0	.0	.0	iŏ	.0	•0	.0	.0
61-70	.0	.0	•0	•0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0
71-86	.0	.0	.0	.0	•0	.0	.0	i	iò		•0	•0	.0	•0
87+	•0	.0	.0	•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	•0
TOT PCT	1.1	7.9	2.2	•0	. 2	• 0	11.4	. 2	3.0		.0	• 0	:0	3.3

PAGE 412

PERIOD:	1045-		1047 1	070					MARI	ЕН							
PERIOUS	(DAE	(-ALL)	1963-1	413				TABLE	18 (	CONTI				AKEA	3.	NATUNA :	.OE
				PC	T FREG ()	F WIND	SPEED	(KTS)	AND I	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)	ı		
				<b>S</b>									Sw				
HGT	1-3	4-10	11-21	22-53	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1 1-2		6	•0	•0	•0	•0				. 3	4		•0	•0	.0	. 8	
3-4		1.0	•0	.0	.0	•0	1.4			.2	1:2		.0	•0	.0	1.6	
5-6		.7	•0	.0	.0	.0				.0	.0		•0	•0	•0	•0	
7		.0	.0		.0		.0			ň	• 0		•0	•0	:ŏ	•0	
8-9	. 0	.0	•0		.0	.0	.0			. 0				•0	.ŏ	ě	
10-11	. 0	• 0	•0	.0	.0	•0	.0			•0	• 0		.0	•0	.0	•0	
12	.c	.0	• 0	.0	.0	.0	.0			.0	.0		.0	.ŏ		.0	
13-16	.0	.0	•0	.0	.0	.0	.0			.0	.0		.0	•0	.0	•0	
17-19	.0	.0	•0	.0	.0	.0	.0			.0	.0			• 5	.0	.0	
20-22	.0	.0	•0	.0	• 0	•0	.0			• 0	.0		•0	•0	.0	•0	
23-25	•0	.0	•0	•0	•0	.0	.0			•0	.0		•0	•0	.0	.0	
26-32	.0	.0	•0	.0	•0	.0	•0			• •	•0			•0	.0	•0	
33-40	٠.	•0	•0	•0	• 9	• 0	•0			• 0	•0			•0	•0	•0	
41-48	.0	•0	•0	•0	٠ç	•0	•0			•0	• 0			•0	•0	•0	
49-60 61-70	.0	•0	•0	•0	• ?	•0	•0			•0	.0			•0	•0	•0	
71-86	.0	•0	•0	.0	••					•0		• • •		•0	•0	•0	
87+		.0	•0	•0	•0	•0	.0			• 0	.0			•0	•0	•0	
TOT PCT		1.9	•0	.0	.0	.0	2.7			.0	1.6			• 0	.0	•0	
	••	•••	•••	••	• 0	••	***			••	1.0	• • •	•0	•0	.0	2.4	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<b>\$1</b>	•0	.0	•0	•0	•0	• 0	•0			.0	•0			•0	•0		
1-2 3-4	•0	•0	•0	.0	•0	•0	•0			• 0	• •			•0	•0	• •	
5-6	.0	.0	• 2	.0	.0	•0	• 2			٠.	,6			•0	.0	.6	
7	.0	.0	•2	.0	٠.	٠0	.0			•0	.0			•0	.0	•1	
8-9	:0	.0	•0	.0	.0	•0	.0			.0	.0			•0	٠,٥	•1	
10-11	ij	.0	•0			.0	.0			.0	.0			0.	•0	•0	
12	ě		•0	.0	.0		.0			.0	٥٠			.0	•0		
13-16		.0	.0	.0		.0				ŏ				.ŏ			
17-19	. C	•0	•0	•0	•0	.0	.0			.0	.0			•0			
20-22	.0	.0	•0	.0	•0	.0	.0			.0	.0			•0			
23-25	.0	.0	•0	.0	.5	.0	.0			.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	•0	.0			.0	.0			.0	.0		
33-40	.0	.0	•0	.0	•0	.0	.0			•0	.0	• • •		•0	.0		
41-48	.0	.0	•0	.0	.0	•0	•0			• 0	.0			.0	.0		
49-60	.0	.0	•0	•0	•0	•0	• 0			.c	• 0			.0	.0	•0	
61-70	٠.	•0	•0	•0	. 0	•0	.0			• C	.0			.0	•0		
71-86	•0	•0	•0	•0	• 0	•0	•0			•0			•0	• 0	.0		
87+	.0	•0	•0	•0	٠.	•0	•0			•0	. • 0		• 0	• 5	.0		
TOT PCT	٠.	•0	.4	•0	•0	•0	.4			•0	1.0	, •,	•1	•0	•0	1.2	92.2

ť,

HAT 0-3 4-10 11-21 22-33 34-47 48- PCT 70T 785  C1 11.6 8.6 .2 .0 .0 .0 20.4 1-2 2.2 32.3 10.8 .0 .0 .0 .0 45.3 3-4 .9 11.6 9.2 2 .0 .0 22.6 5-6 .0 1.8 5.7 .0 .0 .0 .0 7.5 7 .0 .2 2.1 .2 .0 .0 3.5 8-9 .0 .0 .7 .0 .0 .0 .0 .7 10-11 .0 .0 .2 .2 .2 .2 .0 .7 12 .0 .0 .0 .0 .0 .0 .0 .0 .0 13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0 13-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 47-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 47-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 47-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 47-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 47-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
c1         11.6         8.6         .2         .0         .0         .0         20.4           1-2         2.2         2.2         .0         .0         .0         45.3           3-4         .9         11.6         9.2         .2         .0         .0         45.3           5-6         .0         1.8         5.7         .0         .0         .0         .7         .5           7         .0         .0         .7         .0         .0         .0         .3.5           10-11         .0         .0         .2         .2         .2         .0         .7           12         .0         .0         .0         .0         .0         .0         .0         .0           13-16         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0 </td <td>нат</td> <td>0-3</td> <td>4-10</td> <td>11-21</td> <td>22-33</td> <td>34-47</td> <td>48+</td> <td>PCT</td> <td></td>	нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	
1-2	<b>41</b>	11.6	8.6	. 2	.0	.0	. 0	20.4	263
3-4									
5-6									
7									
8-9									
10-11									
12									
13-16									
17-19									
20-22									
23-25									
26-72									
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									
41-48									
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									
61-70									
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0									
67+ .0 .0 .0 .0 .0 .0 .0 .0 .0 459									
459									
	€7◆	•0	•0	•0	•0	.0	.0	.0	
TOT PCT 14.7 54.5 29.9 .7 .2 .0 100.0	TOT PCT	14.7	54.5	29.9	.7	.2		100.0	437

PERIOD! (OVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD C1 (SEC) 46 7.9 6-7 .0 8-9 .0 10-11 .0 12-13 .0 >13 .0 1NDET 10-7 TOTAL 153 PCT 18-6 87+ TOTAL MEAN HGT ... 497 ... 2 ... 2 ... 49 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 ... 6 .. .0 -48 5.5 5.7 2.6 1.0 .1 .0 .4 125 15.2 15.5 4.8 .5 .1 .1 .0 1.0 185 22.5 1.6 2.2 1.5 .4 .1 .0 .1 48 5.8 30.0 2.9 .2 .0 .0 .0 2.4 292 35.6 .0 .2 .5 .0 .0 .0 .0 .7 .1 .5 .0 .0 .0 .0 .1 1.3 .0000071 ......... 0000000000 ........ 000000000 ........ 0000000000

APEA 0006 NATUNA ISLAND 3.6N 106.9E

# TABLE 1 PEPCENT FREQUENCY OF WRATHER OCCURPENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	HEATHER	PHENO	MFNA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	FDG HD PCPN	FOG WO PCPN PAST HR	S40KE HAZE	SPRAY ALWG DUST BLWG SYOW	
N	.0	1.5	.0	٠.	.0	.0	.0	1.5	4.8	1.0	. 8	.0	.8	.0	91.0
NE	. 1	1.2	. 2	.0	.0	.0	.0	1.5	.9	.6	.0	•0	.0	• 2	96.8
E	. 7	1.7	.3	.0	.0	.0	• C	2.7	1.7	.2	. 2	• •	•0	• 2	95.2
E S E	1.0	1.4	.7	• 0	• 0	.0	• 0	3.0	2.4	.7	. 3	.0	.7	• 0	93.6
Š	1.5	. 8	.0	.0	.0	.0	.0	2.3	4.8	4.2	.0	•0	.0	.0	88.7
ŠW	3.4	2.0	.0	.0	.0	.0	• C	5.4	. 2	3,4	.0	.0	.0		91.9
W	.0	7.2	.0	.0	-0	. 5	.0	7.2	2.4	.0	•0	.0	• 0		90.4
Nw	2.8	2.8	2.8	.0	.0	.0		8.5	7.1	.0	.0	.5	2.8		81.6
VAR			.0	.0	.0	.0	.c	.0	.č	.0	•0	.0	•0		.0
CALM	.0	.0	.4	.0	•0		•0	.4	, 9	3.5	•0	•0	1.3		73.9
TOT PCT TOT CBS:	.7 1628	1.4	.3	.0	•0	•0	•0	2.3	1.9	1.4	•1	•0	••	.1	93.9

TABLE 2
PERCENT FREQUENCY OF HEATHER OCCUPPENCE BY HOUR

			,	RECIPI	TATIO	Y TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FUG NG PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.9 .4 .8	.9 1.2 1.3 2.2	.2 .2 .3	.0 .0	.0 .0	.0	.0 .0 .0	2.1 1.8 2.3 3.4	2.1 2.4 2.0 .8	.2 1.5 4.7	.0 .3 .8	.0	.2 .2 .8	.0 .2 .0	95.6 95.4 92.7 90.8
TOT PCT TOT DBS:	.7 1677	1.4	.3	.0	•0	•0	•0	2.3	1.9	1.5	•2	.0	,4	•1	93.8

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIF	ID SPE	ED EKNE	JYS)								HOUR	(GHT)			
WND DIR	0-3	4-10	121	22-33	34-47	48+	TOTAL UBS	PCT FRFQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.5	5.3 18.1	5.0	.1	•0	•0		7.7 27.9	6.1 7.2	6.5 29.7	6.6 30.4	6.4 27.2	10.2	8.7	7.5 31.9	7.6 26.5	8.7 24.6
E SE	3.9	11.6	1.8	.1	•0	•0		9.1	6.2 5.0	16.6	23.0	20.9	14.5	14.4	26.1	15.7	14.5
Š	3.1	5.1	. 3	.0	.0	•0		8.5	4.8	9.5	9.0	8.1	8.6	7.1	6.9	9.3	10.1
Sw W	2.6	4.Q 2.3	.4	•1	•0	•0		7.1 3.3	5.3 5.7	6.1 3.1	8.2 2.0		9.4	8.1 2.0	6.5 5.6	2.4	4.5
Nw Var	.7	1.6	•1	•0	•0	•0		2.5	5.3	2.7	•0	2.6	2.8	3.2	1.7	2.5	2.3
CALP TOT DBS	16.5	1525	255	10	1	0	2841	16.5	5.1	15.9	7.9 152	14.3	15.5	18.1	116	23.2	
TOT PCT	37.0	53.7	9.0	:4	÷	•0		100.0		100.0		100.0					

					TAB	LE 3A						
WND DIR	0~6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 0 <b>3</b>	HBU1 06 09	R (GHT) 12 15	16 21
II NE SE S W W	5.2 15.0 11.5 7.2 6.8 5.2 2.4	2.3 11.9 5.6 1.8 1.7 1.7	1.0 .3 .1 .2	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		7.7 27.9 17.4 9.1 8.5 7.1 3.3 2.5	6.1 7.2 6.2 5.0 4.8 5.3 5.7	0.5 29.9 18.3 11.2 8.9 6.7 2.8	7.6 26.7 18.8 9.8 8.3 7.6 3.9	8.5 30.3 16.8 8.2 7.1 7.8 2.8	8.1 25.7 15.2 7.1 9.6 6.3 3.3 2.4
VAR CALM TOT OBS TOT PET	.0 16.5 2035 71.6	752 26.5	.0 53 1.9	.0	1	2841	16.5	.0 .0 5.1	13.8 593 100.0	14.7 1002	.0 15.8 570 100.0	22.3 676

PAGE 414

 $C^{*}$ 

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1857-1973

TARLE 4

AREA 0006 NATUNA ISLAND 3.60 106.9E

#### PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEEC (	KNOTSI			PCT	TOTAL
400%	CALM	1-3	4-10	11-21	22-33	34-47	48+	#E44	FREE	Sec
60203	13.8	22.1	55.6	8.3	.2	٠.	٠.	5.2	106.6	593
90300	14.7	20.9	59	9.1	.4	-1	.0	5.3	160.0	1002
12615	15.0	20.7	52.1	10.9	.5	• 0	2.	5.7	100.0	570
18621	22.3	18.0	51.5	7.8	.3	.0	.0	4.8	300.0	676
TOT	470	580	1525	255	10	1	٥	5.1		2841
PCT	16.5	20.4	53.7	9.0	. 4	•	-0		100.0	

TABLE 5 TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)		•					CEILIN NH <5/					
WHO DIR	0-2	3-4	5-7	3 8 08500	TCTAL CBS	HEAM CLOUD COVER	000 149	150 299	300 599	999	1000	2005 3499	3500 4999	5000 6499	6500 7999	8000+	NH 65/8 ANY HGT	
ų	1.6	2.5	2.9	. 8		4.5	•0	.0	.0	• 2	1.0	.5	.0	•0	•0	.0	6+1	
NE	8.7	11.5	10.8	1.2		3.9	• 0	• 1	. 1	1.0	1.9	. 9	. 1	•0	.0	.1	27.8	
Ε	5.0	7.5	5.4	1.0		3.8	•0	• 1	.1	. 3	. 3	• 6	. c	• 2	• 0		17.3	
SĚ	1.5	2.9	3.3	. 9		4.5	•1	.0	.0	.7	.6	• 2	. 3		•0	• 1	6.4	
5	1.8	2.1	2.2	. 8		4.2	•0	• ^	.0	.3	. 9	. 4	.c	•0	40	. 0	5.2	
S.	1.2	1.3	2.5	. 9		4.7	•0	.0	.0	. 5	. 8		.:	•0	•0	.0	4.5	
W	. 3	. 8	. 8	.3		4.8	.0	.0	.0	. 0	. 3	• 1	. c	.0	.0	.0	1.9	
NH	.4	.3	1.1	•6		5.5	•0	• 0	.0	.0	.3		.0	•0	.0	. 0	1.5	
VAR	.0	.0	•0	•0		•0	• 3	.0	. 5	• 0	.0	• 3	.0	•0	•0	.0	.0	
CALM	5.5	5.1	3.7	.9		3.4	• 5	.0	.0	• 2	. 8		. 2	• 0	•0	.0	13.5	
TOT DES	26-	347	33+	75	1020	4.0	1	2	2	32	72	• 9	7	2	0	2	860	1020
TOT PCT	25.9	34.0	32.7	7.4	100.0		•1	• 2	, 2	3.1	7.1	3.9	•7	• 2	•0	. 2	84.3	100.0

TABLE 7

		OF SIMULTAMEDUS DECURRENT (NH >4/8) AND VSBY (NM)	E
--	--	------------------------------------------------------	---

				VSBY (NA	13			
CEILING	<ul><li>OR</li></ul>	- JR	• DR	● DR	- CR	• CR	• CR	• UR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	•1	.2	•2	.2	.2	•2	•2	.2
<ul> <li>□R &gt;5000</li> </ul>	.3	.4	. •	.4	.4	. 4	.4	. 4
■ DR >3500	. 6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >2000	3.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9
• DR >1000	9.5	11.5	11.8	11.6	11.8	11.9	12.0	12.0
■ DR >600	11.4	14.4	14.9	14.9	14.9	15.0	15.1	15.1
• DR >300	11.6	14.6	15.1	15.1	15.1	15.2	15.3	15.3
■ DR >150	11.7	14.7	15.3	15.3	15.3	15.4	15.5	15.5
• DR > 0	11.7	14.7	15.3	15.3	15.4	15.5	15.5	15.5
TOTAL	122	153	159	199	163	161	152	162

TOTAL NUMBER OF OBS1 1042 PCT FREG NH <5/81 84.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

C 1 2 3 4 5 6 7 a DBSCN DBS

5.0 16.8 26.8 22.7 13.4 6.5 4.4 1.9 2.7 .1 1151

٠	•	•	•

							-							
PERIODI (PRIMAPY) 1 (OVER-ALI) 1							TA	BLE d				ARE	A 0006	NATUNA ISLAN 3.6N 106.9E
		p	FRCENT	PREC							IBILIT		E OF	
VSBY (NM)		N	NE	E	ŞE	s	43	H	NW	VAP	CALM	PCT	TOTAL OBS	
	PCP	. 1	.0	. 1	.0	.0	• 0	.0	.0	.0	. 0	- 1		
€1/2	NO PCP	.0	.c	•0	•0	• 0	•0	.0	.0	.0	•0	.0		
	TOT %	.1	.0	•1	•0	•0	•0	•0	•0	•0	•0	.1		
	PCP	.0	.0	.0	.1	•0	• 0	.0	•0	.0	•0	.1		
1/2<1	NO PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	•0	.1	• 0	•0	.0	.0	.0	•0	.0		
	PCP	.0	.0	.0	.0	• 0	• 0	.0	.0	.0	•0	.0		
1<2	NO PCP	•	•	.0	•1	• 0	• 0	.0	•0	.0	• 1	.2		
	TOT \$	•	•	•0	. 1	• 0	• 0	•0	.0	.0	•1	. 2		
	PCP	•	.1		.0		•2	.1	.0	٠,	•9	.4		
2~5	NO PCP	.0	. 2	•1		•1	•1	.0	• 1	.0	•1	.6		
	TOT %	*	.3	.1	•	• 1	.7	.1	. 1	•0	• 1	1.0		
	PCP	.0	. 2	.2	.2	• 2	• 1	. 1	• 1	•0	•0	1.0		
5<10	NO PCP	1.0	3.2	1.4	•2 •7	•7	• 5	.3	•1	.0	1.0	9.0		
	TOT %	1.0	3.4	1.6	. 8	.8	• 6	.4	. 3	•0	1.0	10.0		
	PCP	.0	.2	• 2	. 1	•0	• 1	•	•1	.0	• }	.7		
10+	NG PCP	6.2	27.9	16.5	9.0	7.1	5.4	2.1	1.8	• 0	12.7	87.9		
	TOT %	6.2	28.1	10.8	8.1	7.1	5.4	2.1	1.5	•0	12.5	85.6		

TOT DBS 1625 TOT PCT 7.4 31.9 18.6 9.1 8.0 6.3 2.6 2.2 .0 14.0 100.0

TABLE 9

				PERCEN					V <b>S WI</b> ISIBIL		Eo		
VSBY (NH)	SPD KTS	H	NE	ε	\$E	5	SW	#	NW	γΔR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	•0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	•	.0	.0	.0	.0	.0	.0	.0	.0			
	22+	•0	.0		.0	.0	.0	•0	.0	.0			
	TOT %	•	.0	•	٠,0	•0	.0	.0	.0	.0	•0	.1	
	0-3	.0	.0	.0	•	.0	.0	.0	.0	.0	•	.1	
1/2<1	4-10	.0	.0	,0	.0	.0	.0	٠.	•0	.0		.0	
	11-21	.0	.0	•0		.0	.0	.0	.0	. ?			
	22+	•0	.0	٠0	.0	.0	.0	.0	.0			.0	
	TOT \$	•0	.0	•0	•1	•0	•0	.0	.0	.0	•	.1	
	0-3	٠,	•0	,0		.0	.0	.0	.0	.0		.1	
1<2	4-10			.0	.0	.0	.0			.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	•0	•	.0	.0	*		•0	*	.2	
	0-3	.1	.1	.1	•	.0		.0	•	.0	•	.4	
2<5	4-10		.2	• 1	.0	.1	1	. 2		.0		.6	
	11-21	.0	.2	.0	•0	.0		.0	.0	.0		. 2	
	22+	.0	.0	.0	.0	.0		• 0	.0	.0		.0	
	101 2	•1	.4	• 5	•	.1		.2	.1	.0	•	1.3	
	0-3	.2	• 5	.3	•2	.4	.2	. 1	.0	.0	.9	2.6	
5<10	4-10	.5	1.8	.7	. 3	. 4	. 3	.2	. 2	.0		4.5	
	11-21	.1	.6	.3	. 1		.0	.0	•	.0		1.2	
	22+	.0	• 0	•		.0	.0	.0	.0	.0		.1	
	TOT %	. 8	2.8	1.3	.7		.5	.3	. 2	•0	.9	8,4	
	0-3	1.4	4.2	3.4	2.3	2.6	2.3	.6	.6	.0	15.7	33.0	
10+	4-10	4.4	17.4	10.9	5.4	4.9	3.4	1.6	1.4	.0		49.4	
	11-21	.5	4.1	1.8	.3	.2	.4	-1	.1	.0		7.4	
	22+	•0	. 1	•0	•0	.0	.0	.0	.0	.0		.1	
	TOT X	6.2	25.7	16.1	8.1	7.7	6.1	2.2	2.1	.0	15.7	89.9	
	OT OBS												2124
1	OT PCT	7.2	28.9	17.6	9.0	8.5	6.8	2.7	2.5	.0	16.8	100.0	

C

(

PERIOD: (PRIMARY) 1924-1973 (OVEP-ALL) 1857-1973

t

Ľ

TABLE 10

AREA 0006 YATUNA ISLAND 3.6H 106.9E

PERCENT FREQUENCY OF CRICING HEIGHTS (FEETJAM 34/6) AND OCCURRENCE OF NH 43/6 BY HOUR

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1 <b>999</b>	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.4	.0	2.5	7.5	2.1	1.1	.7	.0	•0	14.2	85.8	281
06809	.3	.0	.0	1.7	8.2	3.9	.3	.0	.0	•0	14.4	85.6	355
12615	.0	.4	.7	4.0	5.9	4.4	.4	.0	.0	.4	15.2	83.6	272
18821	.0	•0	.0	3.5	3.9	3.5	.9	.0	.0	.4	12.3	87.7	228
TOT	1	2	2	32	75	40	?	2	0	2	163	973	1136

TABLE 11

T48LE 12

		PERCENT	FREQUEN	CY V58	r (NK) :	BY HOUR		CUMULAT	IVE PCT CEILIN	FREQ G HGT	OF RAN	GES DF NH >4/8	VSSY (NH)	AND/OR
HDUR (GHT)	<1/2	1/2<1	1<2	245	5<10	10+	TOTAL CBS	HGUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1900+ AND5+	NH <5/8 AND 5+	TOTAL DBS
60300	•0	•0	• 2	1.4	6.4	92.1	5.0	00603	•0	.4	3.1	12.0	84.9	258
90360	. 3	.3	•1	1.4	5.1	92.8	69)	90300	.3	.9	3.3	12.0	84.7	333
12615	•0	.2	. •	1.3	11.6	86.5	467	12615	.c	1.2	6.9	11.8	61.3	246
18621	•0	.0	-c	4.0	11.6	87.4	499	18621	•0	•0	4.9	9.8	\$5.4	205
TOT PCT	.1	.1	.2	2 <b>8</b> 1.3	100	1957 90.0	2174 100.0	TDT PCT	.1	.7	46	120	876 84.1	1042 100.0

TABLE 13

TABLE 14

	PERC	ENT FR	EOUENC	/ OF R	ELATIVE	HUMI	0:TY 8	Y TEHP	TOTAL	PET		PERC	ENT FR	EQUENC	Y 0F W	14D D11	RECTIB	N BY T	EMP	
TEMP #	0-29	30-39	40-49	50-59	60-69	70-79	80-69	90-100	283	FREQ	N	NE	E	5£	\$	SW	×	NW	YAR	CALM
90 94 85/89 80/84 75/79 TOTAL	••••	.0	•0	.3 .0 .0	1.4	15.1 31.6 .3	34.0	.0 .6 5.7 1.4	22 203 665 32 942	2.3 21.5 72.7 3.4	1.3 5.6	5.6 23.5 1.0	4.5 13.8	2.4 5.6	1.4 5.3 .3	1.9	.2 .4 1.5	.0 .3 1.5	•0	3.6 11.8
PCT	.с	•0	•1	• 3	0.1	47.7	36.1	7,7		•	7.4	30.9	19.3	8.3	7.1	6.7	2.2	2.0	٠0	16.0

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCE	YTILES	QP TE!	4P (DE	G F) 8	Y HOUR		*ERC	ENT FRE	QUEHCY	OF RELA	TIVE H	YTIGIN	<b>2</b> Y H0UR	t
AUGH (5H2)	HAX 93	99 <b>\$</b> 90	95% 87	50% 83	5x 80	1% 77	41N 72	MEAN 82.9	TOTAL 085 599	HDUR (GHT) 00203	9=29 •0	30-59	60<69 2.9	70-79 37.5		90-100		TOTAL DES
00103 06209 12615 18621	97 96 88	91 88 8A	89 86 85	84 83 82	80 80 79	77 75 77	68 76 73	84.5 82.9 82.0	995 573 687	06609 12615 18621	•0	1.3	15.3	50.0	19.6 19.3 38.6	10.0 3.7 3.3	81 75 80	240 300 228
707	97	90	86	63	45	77	68	83.3	2854	TOT	•0	•	1.0	36.4	53.1 376	9.6 74	#2 79	209 977

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1657-1973

TABLE 17

AREA 0006 MATURA ISLAND 3.601 106.9E

PCT FREG OF AIR TEMPERATURE (REG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (REG F)

AIR-SEA	69	73	77	81	85	89	>92	TOT	W	WD
THP OIF	72	76	80	84	88	72			FOG	FOG
11/13	.0	.0	.0	.0	.0	•0	-1	1	.0	.1
9/10	.0	. 0	.ö	.1	• 1	.1	.i	į	.0	
7/8	.0	. 0	.0			. 4	ii	17	•0	1.1
	.0			11	. 3			ŕż		1.0
š	.0				, 6	وَ	.ŏ	26	ŏ	1.7
Ä	.0	.0	.ŏ	1,1	2.0	. 6		57	·ŏ	3.7
3	ij	:0		*;;	1.7	.3	.0	36	.,	
•					4.6					2.3
•	٠,٥	•0	-1	3.1		• 1	•0	155	•0	9.9
1	•0	+0	.0	3,4	2.1	• 1	•0	87	•0	3.6
0	•0	• 0	. 6	17.9	4.7	• 1	• 0	363	• 1	23.2
~1	.0	• 6	. 4	10.0	2.1	•0	٠0	196	•0	12.5
-2	.0	• 1	1.1	17.1	1.3	•0	.0	376	.0	17.6
-3	.0	.0		4.7	.4	.0	.0	93	.1	9.9
-4	.0	• 1	1.3	9,3	٤.	.0	.0	107	40	6.9
-5	.0	• 2		3.0	+0	.0	•0	62	•0	4.0
-6	.0	·õ	. 6		40	.0	.ŏ	17	ě	i.i
-7/-8		•1			.0	.ŏ		ii		*;;
-9/-10		i	.;	i			ö	**		
								•	•0	. 2
-11/-13	• 1	•0	.0	.0	0	•0	•0	1	•0	1
JATET	1		69		320		3		3	1556
		9		1084		43		1559		
PCT	. 1	4.6	4.4	69.5	20.5	2.6	. 7	100-0	. 2	40.2

PERIODI (OVER-ALL) 1963-1973

(.

TABLE 18

				PC	T FRED I	OF WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HT\$ (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-1	4-10	11-21	NE 22-33	34-47	48+	PCT
<:	.0	1.6	.0	.0	.0	.0	1.6	1.2	3.4	.6	.0	.0	:0	5.6
1-2	.4	2.2		.0	.0	• 0	3.1	1.0	11.7	3,2	.0	.0	.0	16.7
3-4	.0	, 5	. 1	.0	.0	.0	1,2	,,	5.8	3.2	. 2	.0	.0	9.6
5-4	.0	•0	•0	-0	•0	.0	•0	.0	.2	. , ,	. 2	•0	•0	1.3
7_	•0	•0	•0	•0	•0	• 0	•0	• 0	.0		• 0	•0	.0	.5
8-9	•0	.0	•0	.0	.0	•0	•0	•6	•0	.0	•0	.0	.ŏ	•0
10-11	.0	.0	•0	•0	•0	•0	.0	•0	.0	·C		•0	.0	.0
12	.0	.0	•0	•0	.0	•0	.0	.0	,0	.0	.0	•0	.0	•0
13-14	.0	.0	•0	-0	.0	•0	.0	•0	•0	.0	.0	•0	.0	•0
17-19	.0	.0	.0	•0	.0	•0	.0	.0	.0	.0	.0	•0	.0	•0
20-22	.0	٠.	•0	•0	.0	•0	•0	•0	.0	.0	.0	• C	.0	•0
23-25	.0	٠,	•0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	•0	•0	.0	•0	.0	•0	•0	.0	.0	•0	.0	•0
33-40	٠.	.0	•0	-0	.0	•0	•0	•0	•0	٠0	•0	•0	.0	•0
41-49	.0	.0	+0	•0	•0	•0	•0	•0	•C	.0	•0	•0	.0	•0
49-60	•0	•0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0
61-10	.0	•0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	•0
71-84	•0	.0	•0	•0	.0	•0	•0	.0	.0	.0	.0	•0	.0	•0
874	•0	.0	•0	•0	•0	•0	•0	•0	• 0	.0	.0	•0	.0	•0
TOT PCT	• •	4.2	1.3	•0	•0	•0	6.0	3.2	21.5	1,5	• •	•0	••	33.7
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22+33	34-47	48.	PCT
<1	1.8	3.2	.0	••	.0	`.ŏ	4.9	1,2			.0	.0		1.9
1-2	1.5	11.4	1.1		.,		14.0		2:6	.4	.0	•0	:0	3.5
3-4	.0	2.3	2.2	.0			4.5		7.7	;;		:0	.0	
3-6	.0	7.0		.0		·ŏ		ě	ö	Ö		ŏ	:8	1.6
7	.0	.0	.2	.0	.0	. 0	.2	iò	.0					•0
8-9	.0	.0	•0	•0	.0	.0		.0	.0			·ŏ	.0	
10-11	•0	•0	•0	•0	.0	.0	•0	.0	.0			•0	ŏ	.0
12	.0	•0	•0	•0	.0	•0	.0	.0	•0		:6		:0	
13-16	•0	.0	•0	•0	.0	• 0	•0	•0	•0	.0			.0	
17-19	٠,	.0	•0	•0	.0	• 0	.0	.0	.0	.0	.0	•0	ŏ	
20-22	•0	٠٥	•0	•0	•0	•0	•0	.0	•0	.0	•0	•0		.0
23-25	•0	.0	•0	•0	.0	•0	•0	• 0	.0	.0	•0	•0	•0	•0
26-72	•0	.0	•0	•0	.0	•0	•0	• 0	.0	.0	•0	•0		••
33-40	.0	.0	•0	•0	.0	.0	• 0	• 6	.0	.0	•0	•0	ě	• 6
41-48	.0	•0	•0	•0	.0	.0	•0	.0	40	.0	.0		:6	•0
49-40	.0	•0	•0	•0	.0	.0	.0		.0		.0		ŏ	ŏ
61-70	.0	.0	•0	•0	•0	.0	•0	.0	•0	.0	•	•0	.0	š
71-86	•0	•0	•0	•0	.5	.0	.0	.0		.0			.ŏ	.ŏ
\$7+	.0	.0	•0	•0	•0	•0	.0	.0	.0	•0		•0		•0
TOT PCT	3.2	16.9	3.4	•0	.0	•0	23.5	1.4	4.1	1.3	.0	• 6	:0	7.0

PAUE 418

PERIOD: (OVER-ALL)	1943-1973	APRIL	ARFA	0006 NATUNA ISLAND
bewinn: (Asex-aff)	1703-1713	TABLE 18 (CONT)		3.6N 106.9E
		PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGH	TS (FT	)
	_	•		

				PC	T FREG SI	WIND	SPEED	(KTS) AND D	IMECI	ION A	EKZÓZ Z	EA HEIG	HTS (FI)			
HGT	1-3	4-10	11-21	S 22-33	34~47	48+	PCT	1	<b>-</b> 3	4-10	11-21	SW 22-33	34-47	48+	PCT	
<1	6	1.2	.0			•0	1.8		. 3	. 8	.0		.0	.0	1.1	
1-2	. 5	1.3	.2	.0	.0	.0	2.0		. 1	2,0	.1	.0	•0	.0	2.2	
3-4	.0	.2	•0	.0	.0	•0	. 2		. 1	. 4	.4	•0	•0	.0	. 9	
5-6	.0	.0	•0	.0	.0	•0	.0		.0	•0	.0	•0	•0	•0	•0	
7	.0	• 0	•0	•0	•0	•0	.0		. C	•0	.0	•0	•0	•0	.0	
8-9	.0	.0	.0	.0	•0	•0	.c		.0	۰,0	•0	•0	•0	•0	•0	
10-11	.0	.0	•0	.0	•0	•0	•0		•0	.0	•0	.0	•0	.0	.0	
12	.0	.0	•0	.0	.0	•0	.0		•0	.0	•0	•0	•0	•0	•0	
13-16	.0	.0	•0	.0	.0	•0	.0		•0	•0	.0	•0	•0	.0	•0	
17-19	.0	.0	•0	.0	•C	•0	.0		•0	•0	•0	• 0	•0	•0	.0	
20-22	.0	•0	•0	•0	•0	٠Ç	•0		•0	•0	• 0	• 0	•0	•0	•0	
23-25	.0	• 0	•0	•0	• 0	-0	.0		•0	•0	.0	•0	•0	•0	•0	
26-32	.0	.0	•0	•0	•0	•0	.0		•0	•0	.0	•0	•0	•0	٠٥.	
33-40	.0	.0	•0	.0	.0	•0	.0		•0	•0	•0	•0	• 0	•0	•0	
41-48	.0	.0	•0	•0	•0	•0	.0		.0	.0	••	•0	•0	.0	.0	
49-60	.0	.0	•0	.0	.0	•0			.0	.0	.0	•0	•0	.0	.0	
61-70	.0	.0	•0	.0	••	•0	.0		•0	.0	.0	•0	•0	:0	•0	
71-86 87+	•0	.0	•0	.0	.0	.0	:0		.0	.0	•0	:0	:0	:0	.0	
TOT PCT	1.1	2.7	•0	.0	.0	.0	4.0		.5	3.2	.5	.0	•0	.0	4.1	
TOI PC	1.1	2.7	• • •	•0	• 6	••	0		• -		• • •	••	••	••	***	
				N								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1	-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3		•0	.0	.0	.0	. 5		.0	. 1	.0	•0	•0	.0	. 1	_
1-2	.0		•0	.0	.0	•0	. 6		. 2	, 5	.3	•0	•0	.0	1.0	
3-4	. 2	. 6	.0	.0	.0	•0	. 4		.0	•0	•0	•0	•0	.0	.0	
5-6	۰0	.0	• 2	.0	•0	.0	, 2		.0	•0	•0	•0	•0	.0	.0	
7	.0	.0	•0	.0	.0	.0	.0		•0	.0	.c	.0	•0	.0	.0	
8-9	.0	•0	•0	.0	.0	•0	.0		•0	•0	.0	.0	•0	.0	.0	
10-11	.0	.0	•0	.0	.0	.0	.0		•0	.0	.0	.0	•0	.0	•0	
12	.0	.0	•0	.0	•0	•0	.0		•0	.0	•0	•0	•0	• 0	•0	
13-16	.0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
17-19	•0	.0	•0	.0	.0	•0	.0		•0	.0	•0	.0	•0	.0	•0	
20-22	.0	•0	•0	.0	• 0	•0	.0		•0	.0	.0	•0	•0	.0	• 5	
23-25	.0	.0	•0	.0	•0	•0	.0		•0	•0	•0	•0	•0	•0	.0	
26-32	.0	.0	•0	.0	.0	•0	.0		•0	•0	.0	•0	•0	•0	•0	
33-40	.0	.0	•0	•0	•0	•0	•0		•0	• 5	•0	•0	•0	•0	•0	
41-48	.0	.0	•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
49-60 61-70	•0	.0	.0		•0	.0	•0		.0	.0	.0	.0	•0	٠٥.	.0	
	•0	.0	•0	.0	.0		•0		•0	.0	•0	•0		.0	•0	
71-86	•0	.0	•0	.0	•0	•0	•0			.0	•0		•0	.0	•0	
87+	• 0	0	•0	•0	•0	•0	2.3		.0	.0	.0	.0		.0	1.1	81.7
TOT PCT	.5	1.6	• 2	.0	•0	٠.	د.,		• 4	.0	.,	•0	•0	• •	1.1	47.4

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<b>(1</b>	24.7	11.4	.6	.0	.0	.0	36.7	085
1-2	5.3	31.9	5.7	.0	·õ	.0	42.8	
3-4	. 4	10.3	7.4	, 2	.0	.0	18.4	
5-6	.0	.2	1.1	. 7	.0	.0	1.5	
7	.0				.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0		.0	.0	ŏ	
12	•0	.0	.0	.0	.0	.0	.0	
13-14	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0		.0	.0	.0	
20-22	.0	.0	•0	.0	.0	.0	. O	
23-25	.0	.0	•0		.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	-0	.0	.0	.0	.0	.0	
41-48	.0	.0	•0	.0	٠,0	.0	.0	
49-60	.0	.0	.0				.0	
<b>\$1-70</b>	.0	.0	.0				.0	
71-86	.0	•0	.0	.0	.0	.0	.0	
87+	•0	•0	•0				.0	
	. •	•						474
TOT PCT	30.4	53.8	15.4	. 4	-0	.0	100.0	

PERIOD: (DVER-ALL) 1949-1973 TABLE 19 PERCENT PREQUENCY OF MAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 1-2 3-4
20.7 12.7
1.7 4.8
1.1 1.8
.4 .0
.0 .4
.0 .4
.0 .0
4.2 1.1
303 170
37.0 20.8 TQTAL HEAN HGY 462 2 33 3 4 4 5 6 0 0 280 0 2100.0 PERIOD <1 (SEC) (\$ 11.4 6-7 .5 8-8 .0 10-11 .0 12-13 .0 513 .0 1MDEY 22-7 TOTAL 283 PCT 34.6 12 13-16 17-19 20-62 23-25 24-32 33-40 41-48 5-6 8-9 10-11 462 83 36 4 4 0 280 810 100.0 0000000000 0000000000 000000000 0000000000 .0 .0 .0 .13 .0 00000000 000000000 1.8 2.3 1.1 .0 .1 .0 .1 .1000000 0000000000 .0 0000000000 0000000000 0000000000 000000000

TABLE 1

AREA 3006 NATUNA ISLAND 3.6N 106.9E

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND CIR	RAIN	RAIN SHWR	DR7L	PRZG PCPN	SNOA	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HGUR	THOR LTNG	FOG NO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLMG OUST BLMG SNOW	
N	4.2	1.4	.0	۰.	.0	.0	.0	5.6	3.1	1.4	1.4	•0	.0	•0	66.5
NE	5.6	1.5	1.0	٠.	.0	.0	.0	7.1	4.5	2.0	.0	.0	.0	•0	86.4
E	. 4	1.2	.0	.0	.0	.0	.0	1.0	3.8	.6	.0	•0	•0	•0	94.0
ŠĒ	1.1	1.1	.0	.0	.0	.0	.0	4.9	.7	4.6	.ŏ	.õ	•0	.0	89.8
Š	. 9	. 9	.7	.0	.0	.0	.0	2.2	1.5	4.5	.0	.0		.0	91.6
Sw	2.5	3.7	.7	. 0	• 0	.0	.0	6.6	4.9	4.5	.0	.0	• 0	•0	83.4
4	6.0	3.9	4	.c	.0	.0	.C	13.9	3.4	5.6	.0	.0	•0	•0	77.9
Ñw	5.4	4.7			.0		.0	ic i	8.6	3.5	.0	.0	•0	٠٥	79.4
VAR			.ŏ	.ŏ		.0		;	•0			.0		ě	Ö
CALM	1.0	.0		.0	.0	.0	.0	. ŏ	1.0	5.4	.5	.0	1.0		91.2
TOT PCT	2.5	1.9	.1	.0	•0	•0	•0	4.9	3.0	4.1	•1	•0	•2	•0	87.8

TABLE 2

					PE	RCENT	FREQUE	NCY OF WE	ATHER OCCUR	RENCE	PA HON	R			
			•	RFCIPI	TATION	TYPE					OTHER	WEATHER	PHEND	MFNA	
HOUR (GMT)	RAIN	RAIN ShuR	DRTL	FRZG PCPN	SNOW	OTHER FRID PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HGUR	THOR	FDG HD PCPN	POS WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SMOW	ND SIS WEA
00603 06609 12615 18621	2.2 2.2 2.8 2.5	2.0 3.3 .8 1.4	1.3 .0 1.0	.0 .0 .0	.0 .0 .0	.0	.0	5.1 5.5 4.6 4.1	2.7 4.3 1.6 2.5	1.1 .4 4.9 12.1	.0 .3 .3	.0	•0		91.1 89.6 88.5 81.0

TOT PCT 2.4 2.0 .7 .0 .0 .0 .C TOT CBS: 1692

TABLE 3

## PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

HND DIR	0-3			EO (KNI 22-33		48+	TOTAL	PcT	HEAN	00	03	06	RUCH 90	(G4T)	15	1.0	21
							QBS	FREQ	SPO								
N	1.6	2.4	.2	.0	.0	.0		4.2	4.9	3.7	4.9	4.2	4.3	5.0	4.4	4.1	3.5
NE	2.0	3.7	. 3	•	.0	•0		6.0	5.2	7.3	4.9	5.5	6.2	6.1	5.6	5.2	6.5
E	2.2	4.7	.2	.0	.0	•0		7.2	5.1	6.7	7.8	8.4	7.4	7.6	8.5	5.8	5.4
SE	2.8	7.1	.6	.0	.0	.0		10.5	5.6	9.6	14.0	11.5	10.7	10.3	9.5	9.1	10.3
Š	4.8	17.5	3.1	. 0	.0	.0		25.4	6.6	26.5	31.6	25.3	26.7	20.0	24.6	23.9	27.2
Šw	3.9	16.2	9.4		.0	.0		23.6	7.2	23.4	21.2	23.2	25.8	22.8	23.2	25.2	22.5
	1.6	3.5	1.1	. 1	.0	•0		6.3	6.9	5.4	7.6	6.8	5.7	7.3	6.0	5.4	6.7
Nw	1.2	2.3	. 5		.0	•0		3.9	6.2	3.6	4.9	3.3	5.2	4.5	4.0	3.1	4.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	•0	•0	.0	•0	.0	.0	.0	.0
CALM	12.9							12.9	.0	13.4	3.0	11.9	8.0	15.4	12.1	18.1	13.8
TOT CBS	977	1697	276	6	0	0	2756		5.5	501	132	680	346	448	124	398	325
TOT PCT	33.1	57.4	9.3	. 2	.0	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

## TABLE 3A

WHD DIR	0-6	WIND 7-16	59EED 17-27	(KNDTS) 28-40	41+	TOTAL GBS	PCT FREQ	MEAN SPD	00	00 00 09	(GMT) 12 15	18 21
N	3.3	.9	•	.0	٥.		4.2	4.9	3.9	4.2	9.9	3.8
HE	4.6	1.3	.1	.0	.0		•.0	5.2	0,8	5.7	6.0	5.0
	5.6	1.6	.0	.0	٠.0		7.2	5.1	6.9	8.0	7.8	5.6
SE	7.2	3.3	•0	.0	.0		10.5	5.6	10.7	11.3	10.1	9.6
\$	14.5	10.6	.3	.0	.0		25.4	6.6	27.8	25.8	22.1	25.4
Sw	12.1	10.8	. 7	.0	.0		23.6	7.2	22.9	24.1	22.9	24.0
<b>W</b>	3.9	2.1		•	.0		6.3	6.9	5,8	6.4	7.0	6.0
NW	2.5	1.4	•1	.0	.0		3,9	6.2	3.9	4.0	4.4	3.6
VAR	.0	•0	•0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	12.9						12.9	.0	11.2	10.6	14.7	16.2
TOT OBS	1967	940	48	1	0	2756		5.5	633	1028	572	723
TOT PET	66.5	31.4	1.4	ě	.0		100.3		100.0	100.0	100.0	100.0

PAGE 420

**(** )

 $\mathbf{C}$ 

PERIOD: (PRIMARY) 1922-1972 (OVER-ALL: 1856-1972

TABLE 4

AREA 0006 NATUNA 15LAND 3.6N 106.9E

PERCENTAGE	FREQUENCY	OF	MIND	SPEED	8 Y	HUIIS	CCMT

HDUR	CALM	1-3	4-10		SPEED (		48+	MEAN	PCT FREG	TOTAL
•	• .•					• • • • •				000
00603	11.2	19.4	57.3	11.8	.2	:0	.0	5.8	100.0	633
06609	10.6	20.8	57.8	10.8					100.C	1028
12615	14.7	21.0	57.3	7.0	.0	.0	.0		100.0	572
18621	16.2	19.2	57.0	6.9	.7	. 5	. 0		100.0	723
TOT	361	596	1697	276	6	Ö	Ô	5.5	••••	2956
PCT	12.9	20.2	57.4	9.3	. 2		-0		100.0	

TABLE 5

TABLE 6

P	PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN												CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TCTAL CBS	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	.7	1.0	1.4	.6		4.6	•0	•0	.0	•0	.5	•1	.0	•0	•0	•0	3.2	
NE	1.0	2.3	1.9	1.0		4.6	•0	•0	.3	•1	. 7	.3	.0	.0	.0	.0	4.7	
E	1.1	3.4	2.9	• 2		4.2	• 0	.0	.0	. 2	. 5	•1	. 3	• 1	•0	.1	6.8	
ŠE	1.6	2.4	5.2	1.2		4,9	. 2	.0	. 6	. 6				, ;	• 1	•	8.1	
Š	3.5	7.6	10.7	3.0		4.8	•0	• 0	. 2	. 5	3.4	1.0	ž	.0		. 1	19.6	
ŠW	2.7	5.7	10.7	4.7		5.3	·ŏ	• • •	.5	1.5	3.5	1.4	:5	ĭ	•0		16.2	
<u>.</u>	.7	1.3	3.4	1.4		5.6	•0	. 6	. 1	. 8	1.3	2	.2				4.3	
ÑĦ	. 4	5	1.1			5.6		•0	: ;	•	5	.3		•0	•0	.0	1.6	
VAR	.0	.0		•0				•0	·ó	• 0	.0		• •	•0	•0			
									••			•0	•0		•0	•0	•0	
CALM	4.5	3.7	4.5	. 8		3.6	•0	•0	• •	• •	. 8	• 6	• 1	• •	•0	• 2	10.5	
TOT DAS	167	285	429	141	1022		Z	9	16	48	120	44	14	7	1	5	765	1022
TOT PCT	16.3	27.9	42.0	13.8	100.0		• 2	• 0	1.6	4.7	11.7	4.3	1.4	.7	- 1	. 5	74.9	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURPENCE
	INH SA/RE AND VSRY INHE

				VSBY (NM	3			
CEILING	• OR	- CR	• OR	= nk	• DR	• CR	- CR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
■ GR >5000	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
<ul> <li>□R &gt;3500</li> </ul>	2.2	2.6	2.7	2.7	2.7	2.7	2.7	2.7
<ul><li>OR &gt;2000</li></ul>	6.0	6.8	7.0	7.0	7.0	7.0	7.0	7.0
■ UR >1000	14.0	17.3	18.4	18.5	18.5	10.5	18.5	18.5
■ DR >600	17.3	21.5	22.7	22.9	22.9	22.9	23.0	23.1
# DR >300	18.1	22.8	24.4	24.5	24.5	24.5	24.6	24.7
■ OR >150	18.1	22.9	24.5	24.6	24.6	24.6	24.7	24.8
■ DR > 0	18.2	23.0	24.5	24.8	24.8	24.8	24.9	25.0
TOTAL	192	243	259	262	262	262	263	204

TOTAL NUMBER OF OBS: 1055

PCT FREQ NH <5/81 75.0

TABLE 74

PERCENTAGE FREQ OF COM CLOUDS (FIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 3.1 13.6 23.0 20.5 13.8 8.7 6.7 4.8 5.7 .1 1154

ш	v	

RIOD: (PRIMARY) 1 (OVER-ALL) 1							TAS	SLE 8				ARE	A 0006	NATUNA ISLAN 3.6N 106.9E
		PE	RCENT				CTION TH VAR					URRENC	€ OF	
VSBY		N	NE	Ε	SE	s	Sw	w	NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP ND PCP TOT %	.0	.0	.0 .0	.0 .0	•0	• 2	.o	•0	.0 .0	•0 •0	.0		
1/2<1	PCP NO PCP TOT %	•0	.0 .0	.0	•0	•0	•0	.0	• 1	.0	•1 •0 •1	.1		
1<2	PCP ND PCP TOT %	.n .c	.0	•0	.1	•0	• • •	.1	.0	.0	•0	.1		
2<5	PCP ND PCP TDT %	•1	.1	•1	•1	•1 •2 •3	.3	.4	.1 .1	.0	•0 •1 •1	1.1 1.4 2.5		
5<10	PCP ND PCP TOT 3	•1 •5	.1 .6	.1	.1 1.0 1.2	.2 2.4 2.7	.5 2.5 3.0	1.0 1.1	•2 •6 •7	•0	•0 1•2 1•2	10.6		
10+	PCP NO PCP TOT %	.1 3.5 3.6	.2 4.8 5.0	.0 6.6	.2 4.1 9.4	21.7 21.9	18.2 18.8		.1 2.6 2.9	.0	.1 11:1 11:1	1.8 82.9 84.6		
	TOT OBS	4.4	6.0	7.6	10.9		22.9	7.1	3.0	•0		100.0	1645	

TABLE .

			1				ND DIRE				ED		
VSBY (NH)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALH	PCT	TOTAL Das
• • • • •	0-3	.0	.0	.0	•		.0	.0	.0	.0	.0		
<1/2	4-10	.o	.0			•	.0	.0	.0	, 0		.1	
	11-21	.0	.0	.0	•0	.0	-1	.c	.0	.0		. 1	
	22+	.0	.0	•0	• 0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	.0	•	•	•1	-1	.0	.0	.0	•0	.3	
	0-3	.0	•0	.0	.0	.0	.0	.0	.0	.0			
1/2<1	4-10		•0	•0	.0	•0	.0	• 0	•	.0			
	11-21	.0	•0	.0	.0	.0	.0	.0		.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		٠,	
	TOT %	•	•0	•0	-0	•0	•0	•0	•1	•0	•	.1	
	0-3	.0	.0	•0	•	•	•	•	.0	.0	.0	.1	
1<2	4-10	•0	٠.0		-1	•1	•		.0	.0		.4	
	11-21	.0	.0	.0		•0	.0	•	.0	.0		• 1	
	22+	•0	•0	.0	.0	•0	.0	•0	•0	.0		.0	
	TOT S	.0	•0	•	•2	.2	-1	.1	•0	•0	•0	.6	
	0-3	.0	•	.0	.0	.1	.3	-1	•	.0	•1	.7	
2<5	4-10	• 1	.1	. 2	.1	.3	.5	• 2	.0	.0		1.5	
	11-21	.0		•0	.0	.1	-1	. 2	•	•0		.5	
	22+	.0	• 0	• 0	•0	.0	.0	•		.0			
	TOT \$	• 1	.2	•2	•1	.4	.9	.5	•1	.0	•1	2.6	
	0-3	.2	.3	.3	.3	.3	.4	.3	.1	.0	1.1	3.3	
5<10	4-10	.2	.3	• 4	. 4	1.6	1.6	. 5	٠,	.0		5.5	
	11-21	. 1	.0	.0	•	• 4	.5	. 3	.2	.0		1.5	
	22+	•0	.0	•0	.0	.0	.0		.0	.0			
	TOT \$	.5	.6	.7	.9	2.3	2.5	1.0	.6	.0	1.1	10.3	
	0-3	1.3	1.5	1.9	2.5	3.1	2.7	1.2	. 9	•0	12.0		
10+	4-10	2.0	2.8	4.6	6.2	16.4	14.3	3.1	1.5	.0		51.2	
	11-21	•0	-1	. 2	.6	3.0	3.1	•7	•1	•0		7.7	
	22+	.0	0	0	.0	0		.0	.0	•0		.0	
	TOT \$	3.4	4.4	6.7	9.2	22.5	20.0	5.0	2.8	.0	12.0	86.1	
	TOT UBS												2136
1	TOT PCT	4-0	4.2	7.7	10-5	25.5	23.6	6.7	3.6		13.2	100.0	

PERIOD: (PRIMARY (DVER-4L	) 1922-1 L) 1856-1							TABLE	10			A?	EA 0006	NATUNA ISLAN 3.6N 106.9E
				PER	CENT F				IG HEIG NH <5/			>4/81 4	IND	
	HOUR (GHT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8	
	60300	.0	.3	1.0	5.6	10.8	3.0	.7	1.3	.3	•0	23.0	77.0	305
	90360	.6	.0	2.1	3.9	12.9	4.2	2.4	.6	.0	•0	26.6	73.4	334
	12615	.0	•0	1.6	3.1	10.1	5.8	1.2	•0	.0	.8	22.5	77.5	258
	18621	.0	.0	1.4	5.0	8.6	3.6	.9	.5	٠,	1.4	21.2	78.8	222
		_		_										

2 1 17 49 121 46 15 7 1 5 204 .2 .1 1.5 4.4 10.8 4.1 1.3 .0 .1 .4 23.6

855 1119 76.4 100.0

1

TOT PCT

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUE	4C4 VSBY	(NH)	BY HOUR		CURULAT					VSBY (NH)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YQ	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00203	.2	.0	.6	2.3	6.8	90.1	927	00603	.0	1.4	9.7	14.9	75.4	289
90360	.1	.1	.4	2.5	7.5	89.3	682	90360	.6	3.2	9.6	20.1	70.3	313
12615	.4	.4		4.0	13.6	80.7	471	12615	.4	2.0	7.4	18.4	74.2	244
18621	.4	.0	.6	1.8	14.5	82.7	504	18621	•0	1.4	7.2	15.3	77.5	209
TOT PCT	.3	.1	13	57 2.6	224 10.3	1881 86.1	2184 100.0	TOT PCT	, 3 , 3	22 2 • 1	91 8.6	163 17.3	781 74.0	1055

				Ť	ABLE 1	3									TABLE	E 14			
	PERC	ENT FR	ECUENC	Y OF R	ECATIV	E HUMI	DITY B	Y TEMP	TOTAL	PET		PER	CENT F	EQUENC	Y OF W	IND DIR	ECTION 8	Y TE4P	
TEMP F	0-29	30-39	40-49	50-59	69	70-79	80-89	90-100	085	PREQ	*	I NE		SE	S	SW	w	NAV WAR	CALM
90/94 85/89 80/84 75/79 TOTAL PCT	.0			.1	1.7 3.4 1.1 .0 60	20.0	8.1 33.1 .8 407	.1 .8 6.2 1.0 79 6.2	28 335 583 19 965	2.9 34.7 60.4 2.0 100.0	.1 2.2 .1	3.6	3.0	3.8 5.7 .0	10.2 15.2 .1 26.0	7.3 15.4 .8 24.0	4.3	• .0	8.0
н	EANS, E	XTRENE	S AND		LE 15 Tiles (	OF TE4	P IDEC	F) BY	HOUR			PERC	ENT FRE	QUENCY	TABLE OF REE		YTIOITU	ву ноця	ı
HDUR (GMT) 00E03 06E09 12E15 18E21 TDT	MAX 97 95 97 88 97	99% 91 91 90 86 91	95% 88 90 87 85	50% 84 85 84 83	5% 80 80 80 80	1% 77 78 75 76 77	75 75 73	3.7 5.1 3.6	OTAL OBS 632 1011 568 724 2935		HQUR (GMT) 00203 08209 12215 18221 TOT	0-29 .0 .0	30-59 .0 .7 .0	60-69 4.3 15.2 1.8		48.	6.2	HEAN 81 77 81 82	TDTAL DAS 276 290 226 209

MAY

PERIOD: (PRIMARY) .922-1972 (OVER-ALL) 1856-1972

TABLE 17

AREA 0006 NATUNA ISLAND 3.6N 106.9E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 7¢	77 60	81	85 88	89 92	>92	TOT	W FUG	HO FUG
9/10	.0	•0	.0	.1	.1	.1	4	.0	.3
7/8	.0	.0	.1	. 1	. 3	. 1	10	•0	.6
6	.0	•0	.0	• 0	. 3	•0	4	-0	. 3
5	• 0	•0	.1	. 2	1.0	.0	21	٠0	1.3
	•0	•0	. 4	1.2	1.3	.0	47	.0	3.0
3	. 0	• 1	. 2	. 8	.5	.0	25	.0	1.5
3 2 1 0	.0	.0	3.1	4.1	. 8	.c	142	•0	9.0
ī	•0	•0	1.2	4.7	• 1	.0	94	• 0	6.0
ō	.2	• 2	13.2		. 1	.0	344	.1	21.8
-1	.0	- 41	6.7	4.9	. 1	.0	164	.0	11.7
-1 -2	•1	. 6	16.4	2.7	. 6	•0	311	• 1	19.7
-3		.3	5.9		.0	.0	108		6.9
-4	ii	.9	8.3	,4		٥٥	154	.ŏ	9.8
-5	ž	1.3	2.7			.0	70		4.5
-6	. 1	3	1.0	. 1	.0	.0	23	.0	1.5
-7/-8	. 2		1.4	.0	.0	.0	19	.0	1.2
-//-0		.6					. 4		
-9/-10	• 1	• 2	. 3	•0	•0	•0	3	.0	•6
-11/-13	:1	• 1	.1	•0	•0	•0	3	•0	2
TOTAL	16	_	946		71			2	1571
		74		463		.2	1573		
PCT	1.0	4.7	ec.1	29,4	4.5	. 2	100-0	• 1	99.9

PERIOD: (OVER-ALL) 1963-1972

•

TABLE 18

								. 206- 10						
				PC	T FRE0 0	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N.				_			NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	• •	7	•0	•0	.0	••	1.0	1.3	1.7	.0	•0	•0	٠.	1.6
1-2	• 4	1.1	•0	· c	•¢	•0	1.4	.3	1.0	•0	•0	•0	•0	2.0
3-4	.0	.0	•0	.0	.0	•0	•0	.0		•0	.0	•0		•0
5-6	٥.	•0	•0	•0	.o. 5.	• 0	•0	•0	.2 .0	•0	•0	•0	.0	•2
7 8-9	.0	•0	•0	•0	.0	•ŏ	•¢	.0	•0	•0	•0	•0	•0	•0
10-11	.0	.0	•0	•0	.0	•0	•0	•0	:0	•0	•0	•0	.0	•0
	.0		•0	•0	.0	•0	•0	.0	ěč		.0	• 5	ö	•0
12 13-16	.0	.0	•0	•0	.0	.0		.0	.0	•0	•0	•0	.0	•0
17-19	:0	.0	•0	.0	.0	.0	•0	č	:0	•0	•0	•0	.0	.0
20-22	.0	.0	•0	••	.0	:0		iŏ	.0	•0	:0	·ŏ		.0
23-25	•0	.0	•0	•0	•0	.0	.0	•0	ě	•0	•0	•6		•0
26-32	.0	.0	•0	.0	.0	.0	.0	č	.0	•0	.0		.0	.0
33-40	.0	.0	•0	.0	.0	:0		ŏ	.0	•0	•0	•0		•0
41-48	•0	.0	•0	•0		•0	• • •	č	.0	•0	•0	•0		•0
49-60			•0	۰٥	•0	•0	.0		.0	.0	•0	•0	.0	•0
41-70	•0	.0	•0	.0	•0	•0	•0	•0	•0	.0	.0	•0	.0	•0
71-86	.ŏ	.ŏ	.0	.0	.0	•0	.0	.0	.0	.0		•0	.ŏ	•0
87+	.0	.0	•0	.0	.0	•0		ŏ	.0	.0	.0	•0	.0	•0
TOT PCT	ž	1.7	.0	.0	.ŏ	.0	2.5	1.6	2,3			•0		3.8
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 9	1.1	•0	•0	.0	•0	2.0	, 5	1.1	.0	•0	•0	.0	1.7
1-2	. 2	2.2	• 2	.0	.0	.0	2,6	.0		.5	.0	•0	.0	4.0
3-4	٠.	.4	• 2	•0	•0	•0	.7	•0	1.0	.5	•0	•0	•0	1.4
5-6	•0	.0	•2	.0	.0	.0	• 2	,0	• 1	.0	.0	•0	•0	•1
7	.0	.0	•0	.0	•0	•0	•0	•0	.0	•0	.0	•0	.0	•0
8-9	.0	.0	•0	•0	.0	•0	•0	•0	٥ر	•0	•0	• 0	•0	• 0
10-11	• 0	.0	•0	•0	•0	• 5	•0	•0	•0	•0	•0	•0	•0	•0
12	• • •	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	.0	•0
13-16	.0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	,0	•0
17-19	•0	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0
20-22	.0	.0	•0	•0	•0	•0	•0	•0	• 0	•0	.0	•0	•0	.0
23-25	.0	.0	•0	•0	.0	.0	•0	•0	10	•0	•0	•0	.0	•0
24-32	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
41-48	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
49-60	٠.	•0	•0	• 0	.0	•0	•0	•0	•0	•0	•0	• 9	•0	•0
61-70	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
71-86	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
87+	ه.	0	•0	•0	•0	•0	0	• 0	0	.•0	•0	•0	•0	_•0
TOT PCT	1.1	3.6	.7	•0	.0	•0	5,6	,5	5.6	1.0	•0	•0	•0	7.2

PAGE 424

**(**)

PER 100 I	(Avs		1043_1	972					MAY				ADCA	0004	AAUTAN	
bEv100.	1012	K-MLL1	1703-1	.712				TABLE 1	8 (CONT	,			AREA		N 106	
				PC	T FREQ C	F WIND	SPEED	(KTS) A	ND DIREC	NCITS	VERSUS S	EA HEIG	HTS (FT)			
нст	1-3	4-10	11-21	S 22-93	34-47	48+	PCT		1-3	4-10	11-21	5H 27-33	34-47	48+	PCT	
<1	.,7	4.5		.0	.0	.0	5.3		2.0	2.4	.1	.0	•0	0	4.4	
1-2	7	12.1	3.3		.0		16.0		1.3	10.9	2.2	.0	.c		14.3	
3-4	. 2	5.8	3.4	.0	.0	-0	9,4			4,6			.0	.0	8.3	
5-6	.0	.4	• 2	•0	. 5	• 0	. 5		. 5				•6	• 0	. 8	
7	.0	.0	.0	•0	.0	•0	.0		.0	.0		.0	•0	.c	. 2	
8-9	• 0	• 0	• 0	•0	.0	•0	•0		•0	•0		•0	• 0	.0	•0	
10-11	.0	.0	•0	.0	٠.	.0	•0		.0	.c	.0	.0	•0	.0	•0	
12	• 0	•0	•0	•0	.0	٠.	• 0		.0	• C	.0	.0	• 0	.0	.0	
13-16	.0	.0	•0	ي.	•5	.0	٠.		٥,	٠ç		٠0	• 0	•0	• 0	
17-19	•0	•0	.0	•0	.0	•0	.0		• 0	.0		•0	•0	•0	•0	
20=22 23=25	.0	.0	•0	.0	•0	•0	•0		•0	٥٠		•0	•0	•0	•0	
26-32	.č	.0	•0	•0	.0	•0	•0		• 5	٥.		•0	•0	•0	•0	
33-40	ě	.0	.0	• • • • • • • • • • • • • • • • • • • •	.0	•0	•0		•0	.0		•0	•0	.0	•0	
41-48	č	.0	.0	.0	.0	.ŏ	.0		.0	.0		.0	•0	.0	.0	
49-60		.0	.0	.0	.0	.ŏ	.0		.0	.0		.0	.0	.0	.0	
61-70	.c	Õ	.0	.0	ä		·ŏ		ŏ	ŏ		.0	.0			
71-86	.c	.0	• 0	-0	.0	.0	•0			.0			.0	.0	.0	
87+	.0	.0	•0	.0	.0	•0	.0		.0	.0			•0	.0		
TOT PCT	1.6	22.7	7.0	•0	•0	•0	31.2		3,5	18.0	6.7	•0	•0	.0	28.2	
				w								Nw				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	•0	1.1	•0	.0	.0	.0	1.1		. 5	.7	.0	.0	•0	. ၁	1.2	
1-2	٠,	3.0	• 2	•0	.0	•0	3.5		• 1	1.3	.0	•0	• 0	•0	1.4	
3-4 5-6	.2	٥.	1.1	.5	.0	• 3	1.6		•0	5		.0	•0	•0	. 5	
7	.5	.5	•0	٠.0	.0	٠,	• 2		•0	٠,		.0	•0	•0	•0	
8-9	.5		.0	.0	.0	.0	•0		•0	•0		••	•0	.0	•0	
10-11	ă	.ŏ	.0	.0		.0			.0			.0	• .0	.0	.0	
12	.0	.0	.0				.č		ŏ	.0		.0	.5		.ŏ	
13-16	. 0	.0	•0	.0	.0		• • •			.0			•0	.0	•0	
17-19	.0	.0	•0	.0	•0	.0	.0		.0	.0		.0	•0	.0	.0	
20-22	. ၁	.0	•0	•0	.0	•0	.0		.0	.0	•0	.0	•0	.0	•0	
23-25	.0	•0	•0	.0	• • •	.0	.0		.0	.0	.0	.0	•0	.0	.0	
24-35	. 0	•0	•0	•0	.0	•0	•0		• 3	•0	.0	•0	• •	٠٥	• 0	
33-40	٠.	.0	•0	•0	.0	•0	• 0		• 9	.0		.0	•0	.0	.0	
41-48	• 0	•0	•0	.0	•0	•0	•0		•0	•0		.0	•0	.0	•0	
49-60	.0	٠.	•0	•0	• • •	•0	.0		•5	•5		•0	• 0	•0	• • •	
61-70 71-86	.0	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	•0	•0	
27+	.5	.0	•0	•0		•0	•6		•0	••		-0	•0	•0	•0	
TOT PCT	.;	4.4	1.3	.2	.0	٠.	6.4		• 5	2.5	•0	•0	•0	•0	3.1	88.5
	•			• •	••	••			• ′		•0	•0	••	••	3.1	

	#1#D	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TGT
<1	18.5	11.9	• 2	•0	.0	.0	30.7	003
1-2	4.0	35.1	6.3	.0	.0	.ŏ	45.4	
3-4	.7	12.2	8.4			.0	21.5	
5-6	.0	.,9	1.2	.5	.0	.0	2.1	
7	.0	.0	.2	ě	.0	.0	7.2	
8-9	.0	.5		Š	.0		ō	
10-11	.0	.0	.0			.0	.0	
12	.0	.0		.0	.0	.0	:0	
13-16	.0	.0	.0	.,	.0	.0		
17-19							•0	
	•0	• 0	•0	•0	•0	•0	•0	
20-22	•0	•0	•0	•0	• 0	. 0	•0	
23-25	•0	•0	•0	•0	•0	•0	.0	
26-32	•0	•0	•0	.0			.0	
33-40	.0	•0	• 0	.0	•0	.0	.0	
41-48	•0	•0	• C	.0	•0	.0	.0	
49-60	٠.	.0		.0	.0	.0	٠.	
61-70	• 0	.0	.0	.0	.0	.0	.ŏ	
71-86	.0	.0	.0	.0	.0		.0	
87+	.0	.5			.5	.5		
2.14		••	••	••	••	•••		417
TOT PCT	23.2	60.2	16.4	.2	.0	.0	100.0	427

PERIOD: (OVER-ALL) 1949-1972 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FY) VS WAVE PERIOD (SECONDS) PERIOD (SEC) 66-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 1.0 2.1 .6 .1 .0 .0 .1 87+ TOTAL MEAN

MGT

.0 507 2

.0 74 4

.0 25 3

.0 5 3

.0 2 3

.0 0 0

.0 197 1

0 810 2

.0 100.0 49-60 61-70 71-88

.0 .0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0
.0 .0 .0 13.6 .1 .6 .0 .0 .0 18.9 269 33.2 1-2 34.8 2.7 .9 .2 .0 .0 4.0 345 42.6 3-4 13.1 3.3 .0 .2 .2 .0 1.2 152 13.8 12 13-16 17-19 20-22 23-25 26-32 33-40 .0 .1 .6 .4 .0 .0 .0 .1 10 1.2 •••••••• 0000000000 ...... 000000000 ...... ........ ......

PERIOD: (PRIMARY) 1922-1972 (CVER-ALL) 1856-1972

TABLE 1

AREA 0006 NATUNA ISLAND 3.6N 106.9E

# PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RĂIN	RAIN SHHR	OR7L	FRZG PCPN	SNOR	OTHER FRZN PCPN	HAIL	PCPH AT OB TIME	PCPN PAST	THOR LTNG	FDG WD PÇPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	.0	.0	3.4	.0	•0	.0	.0	3.4	1.7	3.4	.0	.0	•0	.0	91.5
NE	6.0	.0	1.5	.0	.0	.0	.0	7.5	•0	3.0	.0	.0	•0	.0	89.6
E	2.0	1.5	1.0	.0	.0	. 0	.0	4.5	4.0	.0	.0	.0	•0	• 0	91.9
ŠE	3.3	2.4	4	.0	• 0	.0	·č	6.0	2.9	4.8	.0	.0	•0	•0	86.3
	3.0	7.7	. 8	.0	.0	.0	.c	4.6	1.2	1.5	• 2	.0	. 2	•0	92.4
Šw	2.5	1.4	1.2	.0	.0	.0		5.2	3.7	2.0	•0	.0	• 2	•0	88.9
H	5.2	6.3	3.3	.5	.0	•0	.0	14.8	3.5	3.7	•0	, õ	•0		78.0
Ñw	12.8	9.6	1.1		.0		.0	23.4	7.4	2.7	.0	.0	•0		66.5
VAR				.ŏ	.0	.ŏ	.0		• 0			ŏ	•0		.0
			.ŏ	.0		.0			٠٥	1.9		.0	.0	ŏ	98.1
CALP	•0	.0	.0	.0	.0	• •	• •	.0	•0	4.7	• •	•0	••		70.4
TOT PCT	3.1 1612	1.7	1.1	•0	•0	•0	•0	5.9	2.5	2.2	-1	•0	•1	•0	89.3

TARLE 2

PERCENT	FREQUENCY	3F	MEATHER	DCCURRENCE	BY	HOUR
· PUCP.	Lucascuc.	ο.		B000 1110 100	•	

	PRECIPITATION TYPE											MEATHER	PHENO	HENA	
HOUR (GMT)	RĀĪŅ	RAJN SHWR	ORTL	FRZG PCPN	SNON	OTHER FRIN PCPN	HAIL	PCPN AT OR TIME	PCPH PAST HOUR	THOR L7NG	FOG WO PCPN	FUG NO PCPN PAST HR	SHOKE	SPRAY RLWG DUST BLWG SNDW	ND SIG HEA
00£03 06£09 12£15 18£21	4.3 3.5 1.4 2.3	1.9 1.5 1.4 1.7	1.3 2.0	.0	.0	.0	.0 .0 .0	6.9 6.3 4.9 4.7	3,0 2,5 2,9 1,3	.6 .0 3.4 5.8	.2 .0 .0	.0	.0	.0	89.0 91.2 88.8 87.8
TOT PCT TOT DBS:	3.1 1634	1.7	1.1	•0	•0	•0	•0	5.8	2.5	2.1	•1	.0	•1	•0	89.4

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w11	ND SPE	ED (KN	GTS;								ноия	(GHT)			
AND DIS	0-3	4-10	11-21	22-33	34-47	48+	TOTAL DBS	PCT FRFQ	MEAN SPD	00	03	06	39	12	15	16	51
N NE	.6	9	.1	.0	.0	.0		1.7	4.8 5.1	2.3	1.6	1.7	2.8	2.2	2.2	1.4	2.4
E		2.0	:i	•	.0	:0		3.0	5.4	2.3	3.0	2.3	3,4	2.6	6.7	4.1	3.0
ŠE	1.4	6.7	. •	•	.0	.0		9.1	6.7	9.1	10.0	10.3	6.3	7.5	10.0	8.8	10.6
Ş.,	3.0	23.4	7.0	.2	.0	.0		34.4	8.0 8.3	39.2 28.5	41.0	39.5	32.2	31.0	27.9 35.7	28.3	28.÷ 30.4
2 m	3.6	21.1	2.0		.0	.0		7.6		7.6	7.6	7.2	8.3	8.3	4.9	8.3	7.1
Ñ₩	.7	2.0			•1	.0		3.3	7.5	2.0	2.5	3.5	7.0	3.8		3.3	4.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	•0	•0	•0	•0	.0	•0	.0	•0
CALM TOT DES	7.6	1791	495	z:	2	0	2896	7.6	7.2	7.7 508	2.6 152	4.3 694	5.9 321	9.4	112	12.6	10.9 303
TOT PCT	20.3	A1 .	17 1	. 7	- 1	. 0	_	100.0		100-0	100.0	100.0	100-0	100.0	100.0	100.0	100-0

# TABLE SA

NID DIR	0=6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL ORS	PCT FREQ	ME#N SPD	00 03	HEUR 06 09	(GHT) 12 15	16 21
4	1.3	.3	.0	.0	.0		1.7	4.8	<b>1.5</b>	1.4	2.2	1.8
NE	1.5	.3	0	•0	٠.		1.9	5.1	2.2	1.5	2.4	1.9
E	2.3	.7	• 1	.0	-0		3.0	5.4	2.4	2.7	3,5	3.8
\$ E	5.3	3.5	. 2	.0	.0		9.1	6.7	9.3	¥.1	8.0	9.4
\$	14.9	18.4	1.1	.1	.0		34.4	8.0	39,6	37.2	30.4	28.6
Šw	11.9	18.2	1.3	::	.0		31.4	8,3	20.0	32.3	37.7	31
ŭ.	2.8	4.3	. 6	.0	.0		7.6	8.5	7.6	7.5	7.6	7.6
NW	1.4	1.3	i.i	i	.ŏ		3,3	7.5	4.1	3.3	3.9	3.9
VAR		•••	.0		.0		.0		- 0	.5	.6	.0
		•••	••	•••	•••		7.6		6.5	5.1	0.3	11.8
CALM TOT DAS	7.6	1361	99	•	0	2894		7.2	660	1015	528	693
TOT SET	49.4	47.0	3.4	۸ź	.ŏ		100.0			100.0		

JUNE

PERIJD: (PRIMARY) 1922-1972 (OVER-ALL) 1850-1972

TARLE 4

AREA 0006 NATUNA ISLAND 3.6N 106.9E

ERCENTAGE	FREQUENCY	CF	WIND	SPEED	87	HOUR	(GM

					SPEED (				PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	HEAN	FREW	285
00603	6.5	11.1	62.1	19.4	.9	.0	.0	7.6	100.0	660
90360	5.1	12.7	61.8	19.5	. 1	.1	.0	7.5	100.0	1615
12615	8.3	11.4	61.7	18.0	. 6	.0	.0	7.3	100.C	5.8
18621	11.8	15.0	61.8	10.7	. 6	.1	.0		100.0	693
TOT	221	366	1791	495	21	2	3	7.2		2896
PCT	7.6	12.6	61.8	17.1	.7	• 1	.0		100.0	-

TABLE 5

TABLE 6

	19066 7											1.6	1965 0					
	PCT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS)  BY WIND DIRECTION  HEAN ND DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD							1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TCTAL CBS	CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	5500 7999	3000+	NH €5/8 ANY HGT	
N	. 2	.5	.4	.4		5.1	.0	• 1	. 3	• 5	.3	.5	. 1	• 0	.1	. 3	1.0	
ΝE	.7	.8	.6	.3		4.0	•0	• 0	٥٠	• 2	.1	. 5	.0	• 0	• 0	.5	2.1	
E	1.0	.8	.5	.5		3.7	•0	.0	.0	. 3	.2	.0	.0	•0			2.4	
ŠĒ	1.5	1.3	4.0	1.3		5.0			. 2		1.5	.6	, i	.1		ě	5.8	
5	8.1	7.7	14.2	5.5		4.7	•0	.0	.3	1.1	2.3	2.7	. 3	•1	•1	.1	28.5	
Š₩	5.0	7.8	12.7	6.3		5.1	•0	• 1	.3	1.9	4.1	2.2	. 3			.5	22.0	
W	.4	1.3	2.7	2 . 8		6.1	•3	• • •		1.1	.,,							
ÑW		4	1.3			5.5	•0	• 6	.0	•:•		•2	:2	• 2	•0	•0	3.8	
VAR	.0	.0		•0			•0	• 0		•0				•0		•0	1.6	
CALH	2.4	2.4	3.0			0			• 5		•0	•0	.0	•0	•0	• 0	• 0	
TOT DAS				. 1		3,5	•0	•0	: 1	• 2	.6	,2	.0	•0	•0	• 1	6.6	
		231	397	180	1008	4.6	3	1	13	>9	98	62	16	•	3	2	744	1008
YOT PCT	19.8	22.9	39.4	17.9	100.0		.3	• 1	1.3	5.8	9.7	6.2	1.8	.6	. 3	. 2	73.8	100.0

TARLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS UCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				UEBY				
				VSBY (NH				
CEILING	<ul><li>OR</li></ul>	■ CR	■ DR	<ul><li>na</li></ul>	• CR	⇒ DR	⇒ OR	● CR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• nR >6500	.5	.5	. 5	,5	.5	.5	.5	.5
■ DR >5000	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
● CR >3500	2.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8
■ DR >2000	7.7	8.7	8.8	8.6	1.9	8.9	8.9	8.9
■ DR >1000	14.7	17.4	18.6	18.6	18.7	18.7	18.7	18.7
■ DR >600	18.3	22.3	24.3	24.3	24.4	24.4	24.4	24.4
= NR >300	19.0	23.3	25.6	25.6	25.1	25.7	25.7	25.7
● OR >150	19.1	23.4	25.7	25.7	25.8	25.8	25.8	25.8
- OR > 0	19.1	23.6	26.0	26.0	25.1	26.1	26.1	20.1
TOTAL	194	240	264	264	265	265	265	265

TOTAL NUMBER OF OBSI 1016

PCT FREO NH <5/81 73.9

TABLE 7A

PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085C TOTAL 085 5.2 13.6 23.3 19.4 11.6 6.1 7.1 5.5 7.9 .1 1106

7.6	1	N	c

		30-2	
PERIOD: (PR	1922-1972 1856-1972	TABLE 8	AREA 0006 NATUNA ISLAND 3.6N 106.9E
		PERCENT FRED OF WIND DIRECTION VS OCCURRENCE OR NON-DO	CURRENCE OF

		• •		PRECI	PETAT	ION MI	TH VAR	ING V	LUES	DF VIS	IBILIT	rY	
VSBY (NH)		N	NE	E	SE	S	Sw		NW	YAR	CALM	PCT	TOTAL OBS
•	PCP	.0	. 1	.0	.1	•0	.0	.0	.0	.0	.0	. 1	
<1/2	NO PCP	. 1		.0	.0	• 1	.0	.0	. 1	.0	•0	, 2	
••••	TOT %	, î	.1	.0	• 1	•1	•0	.0	•1	•0	.0	.4	
	PCP	.0	.0	.0	•1		•0	. ၁	•0	.0	.0	.1	
1/2<1		.0	.0	.0	.0	•0	.0		• 1	.0	•0	.1	
	TOT %	.c	· e	• 0	• 1	•	٠,	•	• 1	•0	•0	.?	
	PCP	.0	.0	.0	.0	•	•1	.0	.1	.0	.0		
1<2	NO PCP	.0	٠.0	.0	.1	• 1	•0	.0	•0	•0	•0		
	TOT %	.0	.0	.0	•1	• 1	•4	•0	. 1	•9	•0	.3	
	PCP	.0	•	.1	•1	.3	.4	. 2	.1	.0	.0		
2<5	NO PCP	.0	.0	.0	•1	• 3	.3	. 2	• 1	.0	• 1	1.1	
	TOT %	.0	•	• 1	•2	•6	.7	.4	• 2	.0	-1	7.4	
	PCP	.0	.0	.0	.2	.6	.5	.4	.3	•0	•0		
5<10	NO PCP	. 2		.5	1.2	3.4	3.2	. 0	.4	.0	• 2	10.0	
	TOT %	. 2	•	, 5	1.4	4 • 2	3.7	1.2	.7	•0	• 2	12.3	
	PCP	.1	.1	.1	.1	.4	.6	.4	.2	.0	,0		
10+	NO PCP	1.4	1.9	2.4	6.6	31.3	25.9	5.0	1.5	•0	6.4		
-	TOT %	1.5	1.7	2.5	6.7	31.7	26.5	5,4	1.8	•0	6.4	84.4	
	TOT DBS												161
	TOT PCT	1.8	2.1	3.1	8.5	36.7	31.0	7.1	2.9	.0	6.7	100.0	

TABLE 9

			,	ERCENT	FREQ	OF #18 Arying	O DIRE	CTION OF VI	VS WI	AD SPE	ED		
VSBY (NH)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALH	PCT	TOTAL OBS
* 1477	0-3	.0	.0	.0	.0			.0	•	.0	.0	.1	
<1/2	4-10	.1	•	.0	.0		-1		.0	.0		. 2	
	11-21	.õ		.0	•	.0	.0	•0	.0	.0		.1	
	22+	.0	•0	•0	•0	•0	•0	•0	.0	•0		•0	
	TOT %	•:	-1	.0	*	•1	-1		•	.0	•0	.5	
	0-3	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	
1/2<1	4-10	.0	•0	•0			.0	•0	.0	٠,0			
	11-21	.0	•0	.0	•	.0	.0	•	.1	.0		.1	
	22+	.0	.0	.0	•0	.0	.0	•0	.0	.0		.0	
	TOT \$	.0	•0	•0	• 1	•	•0	•	.1	.0	•0	.2	
	0-3	-0	•0	.0	•0	•0	.0	•0	•0	.0	.0	.0	
1<2	4-10	٠0	•0	•0		•1	• 1	.0	• 0	,		.2	
	11-21	.0	•0	•0	•0	•	- 1	•				.2	
	22+	•0	.0	•0	•0	•0	•0	•0		٠,٠			
	TOT \$	•0	•0	•0	•	•1	.1	•	.1	.0	.0	.4	
	0-3	.0	•0	.0		•1	.1	-1	.0	.0		.4	
2<5	4-10		•1		•1	• 4	. 2	. 3	-1	.0		1.2	
	11-21	•0	•0	•0		•1	.3	. 2	• 1	•0			
	22+	.0	•0			•0	•1		•	.0		.2	
	TOT %	•	•1	•1	.2	.6	.7	.6	.3	.0	•	2.6	
	0-3	-1	•	.2	•2	.3	•2	•		•0	•2	1.4	
5<10	4-10	• 1	.0	• 1	. 8	2.2	2.0	. 0	. 5	•0		0.4	
	11-21	•	•0	•	.2	1.0		.5	.1	•0		2.7	
	23+	•0	•0	• 0	•0	0	- 1	0	•0	•0		1	
	TOT \$	.3	*	• 4	1.2	3.5	3.1	1.1	.6	•0	.2	10,6	
	0-3	.4	. 4	.5	. 9	2.7	2.7		. • 4	•0	4.5	15.3	
10+	4-10	. 9	1.2	1.8	5.4	21.9	19.8	3.5	1.2	•0		55.7	
	11-21	•	•0	•1	.6	6.7	5.6	1.3	.1	••		14.4	
	22+	.0	.0	.0	0	2	1	-	.0	.0		3	
	TOT \$	1.3	2.6	2.4	7.0	31.4	28.2	5.6	1.8	•0	6.5	85.7	
	TOT DBS										_		2108
1	TOT PCT	1.7	1.0	2.8	6.6	35.8	32.2	7.5	2.9	.0	4.7	100.0	

PAGE 428

1)

3

(

JUNE

PEKIOD: (PRIMARY) 1922-1972 (OVER-ALL) 1856-1972

708LF 10

AREA 0006 NATUNA ISLAND 3.6N 106.9E

PERCENT	FREQUENCY				>4/51	AND

HOUR (GHT)	000 149	150 299	300 599	999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	•0	2.3	5.9	2.9	5.3	1.3	1.0	.0	.7	26.4	73.6	303
90360	.3	.3	.9	5.3	9.7	6.3	1.9	.9	.3	•¢	25.9	74.1	320
12615	.9	.0	.9	5.0	11.1	7.1	2.2	.0	.9	•0	28.9	71.1	225
18621	.0	•0	.4	4.4	6.1	4.4	1.3	.0	.0	•0	16.6	83.4	229
TOT	3	1	13	58	100	62	18	6	3	2	266	811 75.3	1077

TABLE 11

TABLE 12

		PERCENT	FREQUEN	. vsav	(NR)	BY HOUR		CUMULAT					V\$BY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HDUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL 085
£0300	. 5	.5	.2	3.1	11.1	84.6	551	00103	•0	2.5	11.5	16.7	71.9	288
90360	.0	.0	.4	2.1	7.4	90-1	679	90360	.3	1.5	9.5	15.0	72.5	305
12615	1.2	.0	2	3.9	12.1	82.6	431	12615	.9	1.5	9.0	22.3	63.7	211
18621	.4	.2	.9	1.5	13.4	83.6	469	18621	.0	.5	0.6	12.7	80.7	212
TOT PCT	10			55 2.6	226		2130 100.0	101 104	.3	18	95	177 17.4	744 73.2	1016

TABLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF #1	ELATIVE	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y 3F W	IND DI	RECTIO	4 <b>8</b> Y Ti	E×P	
TEMP F	0-29	30-39	40-49	50-59	50-69	70-79	80-89	90-100	TOTAL	PCT	H	NE	E	SE	S	SW	¥	NW	VAR	CALM
95/99	.0	.0	•0	.1	.0	.0	.0	.0	1	-1	٠.	.ú	.0	٠.	.1	•	.0	.0	•0	.0
90/94	.0	.0	.0	-1	1.5	1.4	, 3	.0	31	3.3	,0	.1	• 1	.3	1.2	.9	.0	.0	.0	.6
85/89	.0	.0	.0		4.2	18.6	6.0	1.6	269	30.4		. 8	. 4	2.7	11.8	9.7	1.3	. 3	•0	2.8
80/84	.0	.0	•0	•1	. ,	27.8	28.4	4.8	591	62-1	.9	1.4	1.9	4.6	22.3	19.4	4.9	1.8	•0	4.6
80/84 75/79	.0	.0	•0	•0	•0	•0	1.9	2.3	40	4.2	.0	.1	. 2	. 2	. 6	1.4	1.1	.5	•0	.1
YOTAL	0	0	0	3	63	455	348	83	952	100.0			_							
PCT	.0	.0	•0	• 3	6.6	47.8	36.6	8.7			1.4	2.4	2.6	7.8	36.0	31.4	7.2	2.6	•0	6.4

				TAE	LE 15									TABLE	18			
	HEANS,	EXTREM	ES AND	PERCER	TILES	OF TE	HP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIHU	84 11001	Ł
HOUR (GHT)	MAX	998	95%	50%	54	12	HIN	PSAN	TUTAL OBS	MUUR (GHT)	0=24	30-59	60-69	70-79	8p-89	90-100	HEAN	TOTAL
£0300	97 97	92 92	89 90	84 85	79 79	75 77	73 73	63.6 84.7	661 993	00803	•0	1.1	1.5	41.8	45.1 24.1	11.7	81 76	273 274
12515	90 90	89	87 85	83 83	79 79	77 75	75 73	83.2	529 694	12615	•0	•0	2.0	52.7 42.8	36.3 43.7	9.0 11.7	80 81	201 222
TOT	97	91	66	84	79	76	73	63.7	2877	701	0	3	63	459	359	86	79	970

PAGE 429

PERICOI	(PRIMARY)	1922-1972
	fOVER-ALL L	1256-1972

TABLE 17

AREA 0006 NATUNA ISLAND 3.6N 106.9E

PCT FRFO OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOO (WITHOUT PRECIPITATION)
VS LIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	FDG	40 50G
11/13	.0	.0	.0	.1	.0	.0	2	.0	• 1
9/10	.0	.0	.0	.0	.0	. 2	3	.0	. 2
7/8	.0	• 0	.1	. 1	.5	. 2	13	.0	. 9
6	.0	.0	.0	.0	.3	.0	4	.0	.3
6 5 4	. C	• 1	.0	.7	1.5	. 1	36	.0	2.4
4	.0	• 1	. 5	1.9	2.0	. i	70	. i	4.6
3 2	.0	•0	. 2	.7	1.2	, c	32	• 0	2 - 1
2	.0	- 1	3,6	5.3	. 9	•0	149	•0	9.8
1 0 -1	.0	• 1	1.3	3.4	.0	.0	72	.0	4,7
õ	.0	. 2	12.6	0.4	.0	•0	321	• 1	21.1
-i	.0	• 0	6.5	3,3	•0		149		9.8
-ž	• 1	. 7	15.7	1.8	.0	• C	277	•0	18.2
-3	.0	.7	5.5		.0	.0	165	.0	6.9
-4	,ī	1.4	6.1	. 3	.0	•0	151	.0	9.9
-5	.2	1.0	2.2	. 1	.0	•0	53	.0	3,5
-6	.0	1.1	1.0		•0	•0	32	•0	2.1
-7/-8	.3	1.1	ě	.0	.0	.ŏ	35	.0	2.3
-9/-10	.1	. 5	.1	.0	.0	•0	9	•5	.6
-11/-13	ż	.2	:0	ŏ			ć	ŏ	.4
TOTAL	4	••	684	• •	95	••	Ū	ĭ	3518
	• •	108		409		9	1519	•	,,,,,
PCT	.9	7.1	58.2	26.9	6.3	.6	102.0	.1	99.9

PERIOD: (DVER-ALL) 1963-1972

**€** €

TABLE 16

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	•0	.0	.0	.5	.0	.0	.0	.0	.5
1-2	•0	.7	.0	.0	.5	•0	•7	•0	.7	.0	.0	•0	.0	.7
3-4	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠.
5-6	.0	.0	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	.0	• 0
7	.0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	•0
8-9	.0	.0	•C	•0	•c	٠.	•c	• 6	• 0	.0	•0	•0	•0	•0
10-11	.0	.0	•0	.0	۰,0	.0	•0	•0	•0	.0	•0	•0	.0	•0
12	.0	.0	.0	•0	•0	.0	.0	.5	.0	.0	.0	.0	.0	•0
13-16	.0	.0	.0	•0	.0	٠0	•0	•0	•0	.0	•0	•0	.0	.0
17-19	.0	.0	•0	•0	•0	•0	•0	.0	•0	.0	.0	•0	•0	•0
20-22	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0
23-25	•0	•0	•0	+0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
26-32	.0	٠٥.	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0
41-48	•0	•0	•0	•0	. 9	•0	•0	•0	.0	•0	•0	•0	•0	•0
49-60	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0
61-70	•0	.0	•0	•0	•0	•0	• 0	٠ç	÷0	.0	.0	•0	.0	•0
71-86	•0	•0	•0	•0	.0	•0	• 0	•0	• 0	•0	•0	•0	•0	•0
87+	•0	•0	•0	• 0	.0	•0	• 0	•0	.0	.0	•0	•0	.0	•0
TOT PCT	.0	.7	•0	•0	•0	•0	.7	•0	1.2	•0	•0	•0	•0	1 • 2
				E							SE			
HGT	1-3	4-10	11-21	22-53	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2	•0	•0	• 0	•0	• 7	• 2	• 1	•0	• 0	•0	•0	.3
1-2	٠.	1.1	•0	.0	•0	.0	1.1	, 5	3,6	.1	.0	•0	.0	4.2
3-4 5-6	٠٥	• •	• 4	•0	•0	•0	. 0	• 2	. 4	1.1	•0	•0	•0	1.0
7	.0	.0	•0	.0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0
8-9	:0	.0	•0	.0	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0
10-11	.0	.ŏ	•0	.0	•0	.0	•0	•0	.0	.0	.0	•0	•0	•0
12	.0	.ŏ	•0	•0	.0	.0	•0	•0	.0	.0	•0	•0	•0	•0
13-16	ě	.ŏ	.0	.0		.0	č			•	.0	,0	.0	•0
17-19		.ŏ	.0	.0		.0	.0	.5	.0	.0	.0	.0		•0
20-22	.0	.3	.0		.ŏ	.0		ě	ŏ	.0	.0	.0	ö	.ŏ
23-25	ŏ	.0			٥٠	ŏ	.č	ŏ	.0	.0	.0	.0	.0	ŏ
26-32	.0	.0	•0	.0	.0	.0	.0	ŏ	.0	ě	•0	.0	ŏ	•0
33-40	.0	.0	•0	.0	.0	·ŏ	ě		•0	•	.0	•0	٠٥	.0
41-48		.ŏ		.0	.0	.0	.0	.0	.0	•0	.0	•0	ŏ	ě
49-60	.0	.0	•0	-0	ŏ	•0	•0	.0	.0	.0	.0	•0	.0	
61-70	.0	.0	•0	•0	••	•0	•0	•0	.0	•0	.0	•0	ě	
71-86														
,,,,,,		.0	•0			.0			•0			•0		
87+	.0			•0	.0		•0	•0	.0	•0	.0	•0	.0	•0

									JUN	E							
PERIODI	COAF	M-ALL)	1963-	1972				TABLE	18 (0	ONT				AREA	0006	NATUNA 6N 106	ISLAND .9E
				PĈ	T FRED D	F WIND	SPEED	(KTS)	AND D	IRECT	יאסנז	VERSUS S	EA HEIG	HTS (FT			
нст	1-3	4-10	11-21	S 22-33	34-47	48+	PCT			-3	4=10		SW	•			
<1	4	3.1	.2	.0	,0		3.8			.3	1.9	11-21	22-33	34-47	48+	PCT	
1-2	. 6	11.1	3.6	.0	.č	.ŏ	15.3			n	12.3	3.2	.0	.0	.0	2.4 17.5	
3-4	ž	6.8	3.7		ě		10.9		•	.3	3.1	5.1	••	:5	:0	10.5	
5-6	.0	.4	2.0	.0	.0	.0	2.5			.0	. 5	3.1			.0	3.6	
7	.0	.0	.7	.0	.0	. 0	.7			.0	.5	4	.0	:0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	. 0	.0	.0	•0		.0	
10-11	.0	٠.	•0	.0	.0	•0	.0			.0	.0	.0	.0	.0		.0	
12	.0	.0	•0	.0	.0	.c	.0			, c	.0	.0	.0	.0		•	
13-16	٠.	.0	•0	•0	•0	•0	.0			.0	.0	.0	.0	•0	.0	•0	
17-19	.0	٠.	•0	.0	٠.	.0	.0			.0	.0		.0	• c	.0	.0	
20-22	.0	.0	•0	•0	.0	•0	•0			•0	.0	. 0	.0	• ?	.0	.0	
23-25	.0	•0	٠0	•0	.0	•0	• C			.0	• 0	.0	.0	•0	.0	.0	
26-32	٠.	•0	•0	٠c	.0	•0	• 0			•0	•0	.0	•0	•0	.0	.0	
33-46	٠.	.0	•0	•0	٥.	•0	•0			٥,	• 0	.0	•0	•0	.0	.0	
41-48	•0	.0	•0	•0	•0	•0	•0			.0	•0	•0	•0	•0	.0	.0	
49-60 61-70	•0	٠.	•0	.0	.0	•0	•0			••	•0	•0	•0	•0	.0	.0	
71-86	.0	.0	•0	•0	•0	•0	.0			•0	.0	.0	•0	•0	.0	• 0	
87+	.0	.0	•0	٠.	.0	٠.	.0			•0	.0	•0	.0	•0	.0	•0	
YOT PCT	1.2	21.4	10.3	.0	.0	٥.				•0	19.8	0	•0	•0	.0	• 0	
101 701			10.5	• •	•0	••	33.2		-	.6	1740	12.0	•0	•0	•0	34.3	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCI		1	-3	40	11-21	22-33	34-47	48+	PCT	PCT
<1	. 2	. 5	•0	•0	,0	•0	.7			. 3		.0	•0	• 0	.0	. 8	
1-2	.2	2.4	. 5	.0	.0	• 0	3,1			. 2		.0	.0	.0	.0	1.1	
3-4 5-6	•0	1.6	1.9	.0	٠.	•0	3.5			•0		۰,	•0	•0	.0	. 2	
7	.0	٠.	.7	.0	••	•0	• 7			•	•0	•0	•0	• 2	.0	. 2	
8-9	.ŏ	.0		.0	.0	•0	•			٠.	•0	.0	•0	•0	•0	•0	
10-11	·ŏ	:ŏ	.0	.0	.0	•0	.0			•3	• 0	.0	•0	•0	.0	•0	
12	.0		•0	.0	•0	.0	.0			•0	.0	.0	•0	•0	.0	•0	
13-16			.0		.0	.0	.0			•0		.0	•0	•5	•0	••	
17-19		.0	•0	•0	.ŏ	•0	.0			• 5	.0		•0	•0	.0	•9	
20-22	.0		•0		.0	.0					.5	•0	•0	•0	.0	•0	
23-25	.0	•0	•0	.0	.0		.0			.0	.0	.ŏ	•0	•0	.0	•0	
26-32	.0	.0	•0	.0		••				.0	٥٠		.0	•0	.0	•0	
33-40	.0	.0	.0	.5	.5	.0	.0					.,	• • • • • • • • • • • • • • • • • • • •	• • • •	.0	.0	
41-48	.0	.0	.0		.0					ŏ	·ó		•0	•0	:0	•0	
49-60	.0	.0	•0	••	.0	•0	.0			ŏ	.0	-0	.0	•0	.0	•0	
61-70	.0	.0	•0	.0	.0	.0				.0	.0	.0	:0	ě		íó	
71-86	•0	•0	•0	•0	.0	•0	.0			•0	.0	.0	•0	•0		.0	
87+	•0	•0	•0	•0	•0	•0	.0			•5	.0		.0		.0	.0	
TOT PCT	.4	4.5	3.3	•0	•0	•0	8.3			. 5	1.6	•0	•0	• 2	.0	2.4	89.0

	HIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.9	6.7	.5	.0	.0	.0	20.0	280
1-2	3.6	32.9	7.4		.0	.0	43.9	
3-4	.7	14.6	12.2	. 2	.0	.0	27.7	
5-6	.0	1.0	5.7	.0	.2	.0	6.9	
7	.0	.0	1.4	Ö	.0	.0	1.4	
8-9	.0	. 0	.0	.0	.0	.0		
10-11	.0			Š	.0	.0		
12	.5	.5	.5			ő	.0	
13-16		.,		.0	.0		ĕ	
17-19		.5	.5	,õ	.0	.,		
20-22							.0	
23-25		•0	•0	2.	•0	•0	•0	
	•0	•0	.0	•0	•0	.0	.0	
26-32	•0	•0	•0	•0	•0	.0	•0	
33-40	.0	•0	.0	.0	.0	.0	-0	
41-48	•0	•0	•0	.0	•0	.0	•0	
49-60	.0	•0	.0	• 2	• • • • • • • • • • • • • • • • • • • •	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-66	.0	.0	.0	.0	.0	.0	.0	
87+	•0	•0	• 6	.0	•0	.0	•0	
		. •		*-				419
TOT PCT	17.2	55.1	27.2	.2	•2	.0	100.0	

PERIOD: (PRIMARY) 1923-1972 (OVER-ALL) 1855-1972

TABLE 1

AREA 0006 NATUNA ISLAND 3.6N 107.0E

# PERCENT FREQUENCY OF WEATHER OCCUPPENCE BY WIND DIRECTION

			•	RECIPI	TATIO	TYPE					GTHER	WEATHER	PH NO	MENA	
WHO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN: PAST HOUR	THOR LTNG	FOG WO PCPN	FCG WO PCPN PAST HR	SH, KE	SPRAY RLWG DUST BLWG SNOW	
N	8.2	9.4	7.1	.0	.0	.0	.0	21.2	3.5	.0	٠.	.0	.0	•0	75.3
NE	.0	12.9	.0	.0	.0	.0	.0	12.9	•0	6.5	.0	.0	•0	.0	80.6
Ε	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	•0	96.3
E SE	. 5	1.4	. 2	.c	.0	.0	.0	2.1	• 0	3.7	.0	.0	.0	.0	94.3
S	1.5	.6	. 5	.0	.0	.0	•0	2.7	1.3	3.1	.2	.0	. 2	•0	92.8
Š Þ	2.4	1.0	1.5	.0	.0	.0	•0	4.7	3.1	3.4		.0		.0	88.9
W	9.5	4.0	1.7	.0	. 5	.0	.0	15.2	5.1		•0	.0	.6	•0	78.3
N₩	8.8	5.3	1.4	.0	• 0	·ŏ	.0	14.9	1.6	ō	.5	·ŏ			83.3
VAR	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0		.0
CALP	1.7	3.4	.0	.0	.0	.ŏ	.0	5.2	.0	1.7		.0	5.2		87.9
TOT PCT TOT CBS:	2.6 1516	1.5	1.0	•0	•0	•0	•0	4.9	2.1	2.9	-1	•0	.3	•0	89.9

TABLE 2

PERCENT ERFOLIENCY OF WEATHER OCCURRENCE	Rv	MOU

PRECIPITATION TYPE												WEATHER	PHEND	MENA	
HDUR (GMT)	RAIN	RAIN SHWR	DR7L	FRIG PCPN	SNON	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG HO PCP4	FOG WO PCPN Past Hr	SMOKE	SPRAY BLWG DUST BLWG SMOW	
00603 06609 12615 18621	3.1 3.7 2.2 .6	1.0 1.1 1.9 2.2	1.7 .9 .8 .3	.0	.0	••	.0	5.3 5.7 5.0 3.1	3.6 2.1 1.7	1.4 .0 3.9 7.5	.0	•0	.7 .2 .3	•0 •0 •0	89.2 92.0 89.3 88.8
TOT PCT	2.5	1.5	1.0	.0	•0	.0	•0	4.9	2.1	2.9	-1	.0	.3	.0	69.9

TARLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KN) 22 <b>-</b> 33		48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	93	06	HOUR 09	(GHT) 12	15	18	21
N HE E SE S W NW VAR CALM TOT OBS	.5 .2 .3 1.1 2.3 2.3 .6 .4 .0	.7 .6 1.2 4.9 24.5 21.5 4.2 1.4 .0	10.1 10.1 10.1 10.1 10.9 .4	.0	• • • • • • • • • • • • • • • • • • • •	000000000000000000000000000000000000000	2757	1.3 .9 1.6 7.5 40.6 34.5 7.0 2.3	5.6 6.0 7.5 9.7 9.4 9.1 7.0 8.8	.7 .6 3.1 7.3 40.6 34.3 6.2 .9 .0 6.3	.8 1.4 7.7 47.4 35.8 4.7 .6	.8 .9 1.4 7.4 44.9 32.7 6.2 2.3 .0 3.5	1.6 .5 1.3 7.5 38.4 35.4 8.3 3.8	2.5 1.5 7.0 35.8 35.0 9.7 3.6	39.4 38.9 11.3 1.0	1.7 1.6 1.5 8.9 35.9 34.7 6.1 2.6	1.2 .0 .9 8.0 43.6 35.2 5.7 1.7 .0
TOT PCT	12.3	58.9	27.5	1.3	•0	•0	• •	100.0		100.0							

### TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 20-40	41+	TOTA_ OBS	PCT FREQ	MEAN SPD	09	HBU1 06 09	R (GHT) 12 15	18 21
N		.4		.0	.0		1.3	5.6	.7	1.1	2.1	1.5
NE	.6	.2	•	.0	.0		. 9	6.0	.7	.7	1.3	. 9
₹	1.1	.5	.0	.0	.0		1.6	6.0	2.8	1.4	1.3	1.2
3 E	3.7	3.5	. 3	.0	.0		7.5	7.6	7.4	7.4	6.6	8.5
5	10.0	26.3	3.4	•1	•0		40.6	9.7	42.0	42.8	36.6	39.2
Sw	10.4	21.5	2.6		•0		34.5	9.4	34.6	33.5	35.8	34.9
ű.	2.7	3.5		•	.0		7.0	9.1	5.9	6.9	10.0	6.0
NW	1.2	.,	.2	•	•0		2.3	7.9	7.6	2.7	3.1	2.3
VAR		.0	.0	•0	.ŏ			· .o	.0	.0	7.6	
CALH	4.3	••	•••	••	••		4.3	.5	5.2	3.4		
TOT ORS	982	1569	201		9	2757	4.3	8.8	598	967	3.3 515	5.5 677
TOT SET	33.6	56.9	7.3		-0	2.31	100.0	•••		100.0		

PAGE 432

**(** ·

JUĽY

PERIODI (PRIMARY) (OVER-ALL	1923-197 1 1855-197						TARLE	4			AREA	0006 NATUNA ISLAND 3.6N 107.0E
			PER	CENTAGE	FREQUI	ENCY OF	WIND S	PEED BY	HOUR	(GPT)		
	HDUR	CALH	1-3	4-10		SPEE0 22-33			MEAN	PCT FREQ	TOTAL DBS	
	00603 06609 12615 18621 TOT	5.2 3.4 3.3 5.5 118	6.4 7.8 9.3 8.7 220	56.0 56.2 61.2 63.7 1624	31.8 31.3 24.3 20.7 758	.7 1.3 1.9 1.5 37	• 1	• • • • • • • • • • • • • • • • • • • •	9.2	100.0 100.0 100.0	598 967 515 677 2757	

4

TABLE 6 TARLE 5 PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION 600 1000 2000 3500 5000 6500 8000+ NH C5/8 TOTAL 999 1999 3499 6499 7999 ANY HGT 085 5-7 8 6 TOTAL DBSCD CBS 300 599 000 .1 .4 a .6 .8 .5 2.3 2.0 7.2 10.4 4.3 5.6 .6 .8 a .3 .0 .0 1.9 1.5 16A 218 17-1 22.1 .3 .1 .3 1.3 2.2 1.3 .2 .0 .1 58 5.9 .0 .1 .3 .4 3.9 4.1 1.8 .5 .0 .2 114 .4 .1 .2 .8 6.1 8.4 3.1 .7 .0 .4 198 20.1 .0 .1 .2 .3 2.3 2.4 .7 .1 .0 .59 1.4 1.0 .9 1.7 5.9 31.5 21.0 3.5 1.1 .0 4.8 704 71.5 .0 .0 .1 .2 .7 .1 .0 .0 .0 .0 .0 .3 1.2 .0 .0 .0 000000000000 .6 .5 .8 2.1 16.5 14.8 3.1 1.0 .0 1.4 401 401

TARLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (NM >4/8) AND VSBV (NR)

				VERY INH	:)			
CEILING	e OR	• OR	• DR	e 08	• DR	• CR	• DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.1	• 1	.1	.1	.1	.1	•1	.1
■ DR >5000	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3
■ DR >3500	2.0	3.1	3.4	3.4	3.4	3.4	3.4	3.4
■ BR >2000	7.4	8.7	9.2	9.2	9.2	9.2	9.2	9.2
• OR >1000	16.7	20.0	20.7	20.7	20.7	20.7	20.7	20.7
B DR >600	20.2	25.0	26.0	26.4	26.5	26.5	26.5	26.5
• OR >306	21.3	26.2	27.0	28.0	28.1	26.1	28.1	24.1
■ DR >150	21.3	26.3	27.7	28.1	28.2	28.2	28.2	20.2
			27.8	28.2	20.4	28.4	21.4	28.4
B DR > 0	21.4	26.4	279	203	285	241	285	245

TOTAL NUMBER OF OBS: 1002 PCT FREQ NH <9/81 71.6

TABLE 7A
PERCENTAC: FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08\$CD 08\$5 4.6 19.0 21.8 19.8 11.9 9.6 7.0 5.0 7.1 .2 1078

	855-1972						TAS	8 3 J				ARE	
		PE	RCENT				CTION Y						E OF
VSBY (NM)		N	NE	E	SE	\$	Sw	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.c	.0	.0	•0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	40	.0	.0	.0	• 0	.0	
	TOT \$	.c	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	
	PCP	.0	.0	.0	.0	. i	•1	.2	•0	•0	•0	, 3	
1/2(1	NO PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	
	TOT \$	.0	.0	.0	.0	.1	• 1	. 2	•0	.0	•0	.3	
	PCP	.0	.0	.0	•		•	. 2	.0	.0	•0	. 3	
1<2	NO PCP	.0	• •	.0	.0	•1	• 1	.0	•0	.0	•0	.2	
	TOT %	.0	.0	.0	•	.1	• 1	, 2	•0	.0	•0	. 5	
	PCP	. t	.0	.0	.0	.0	• 2	, 2	.1	.0	•0	.6	
2<5	NO PCP	. 1	.0	•		. 2	. 9	. 1	-1	.0	•0	1.2	
	TOT %	• 1	.0	•	*	. 3	•7	. 3	•1	•0	•0	1.8	
	PCP	. 1	.1	.0		.7	.7	. 3	•2	•0	• 2	2.3	
5<10	ND PCP	. 1	. 2	. 2	1.1	5.0	4.1	1.0	•1	.0	• 1	11.9	
	TOT &	. 7	. 3	. 2	1.1	5.8	4.7	1.3	. 3	.0	. 3	14.2	
	PCP	. 1	.1	.0	.1	.3	.6	. 2	•	.0	•0	1.5	
10+	ND PCP	1.0	.7	1.6	5.9	34.6	27.5	5.6	1.4	.0	3.5	81.7	
	TOT %	1.1	.7	1.6	6.0	34.9	28.1	5.6	1.4	•0	3.5	83.2	

TOT DBS TOT PCT 1.4 1.0 1.8 7.2 41.2 33.8 7.8 1.9 .0 3.8 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY													
YSBY	SPD	N	NE	E	SE	\$	SW	W	RM	VAR	CALM	PCT	TOTAL
(NM)	KTŞ												DBS
	0-3	.0	.0	•0	.0	.0		.0	.0	.0	.0	•	
<1/2	4-10	•0	•0	•0	•0	.0	.0	•0	.0	.0		.0	
	11-21	.0	.0	•0	•0	•		.0	.0	.0			
	22+	.0	.0	•0	•0	.0	.0	•0	.0	.0		.0	
	TOT \$	•0	.0	•0	.0	•	.1	.0	.0	•0	•0	.1	
	0-3	.0	•••	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0		.0		.0	.0		.1	
	11-21	.0	.0	.0	•0	,		•	.0	.0		.1	
	22+	.0	•0	•0	•0	.0			.0	•0		.1	
	TOT \$	.0	•0	40	•0	.1	.1	•1	.0	.0	•0	.3	
	0-3	.0	.0	.0	•		.0	.0	.0	.0		.1	
1<2	4-10	.0	.0	.0	.0	•1	-1	.1	.0	٠,٥		.3	
	11-21	. 0	•0	· a	•0		ē		.0	.0		.1	
	22+	.0	.0	•0	•0	.0	.0	•0	.0	.0		.0	
	TOT S	•0	•0	•0		•1	• 2	.2	.0	.0	•	.5	
	0-3	.0	.0	•	.0	.1		.1	.0	.0	.1	.4	
2<5	4-10		.0	•	•	.3	. 4	• 2		.0		1.0	
	11-21		.0	•0	.0	•1	.2	.2	. 1	.0		. 6	
	22+	.0	.0	.0	.0	.0		.0	.0	.0			
	TOT \$	•1	•0	•1	•	• •	.7	.5	.1	.0	•1	2.1	
	0-3	•		•1	•1	•2	.3	-1	•	.0	.4	1.3	
5<10	4-10	.1	.2		.5	2.5	2.2	.5	.1	.0		6.2	
	11-21	.1	.0	.0	.3	1.6	1.3	. 5	. 1	.0		3,9	
	22+	.0	.0	.0	.0	.2	.2	.0	.0	.0		.3	
	TOT S	.2	٠Z	•1	.9	4.6	3.9	1.1	. 3	.0	.4	11.8	
	0-3	.3	•2	•	.6	1.5	1.7		.4	.0	3.5	9.0	
10+	4-10	.5	.4	1.0	4.6	23.1	19.0	3.3	. 8	.0		52.9	
	11-21	.1	. 1	.2	1.0	11.5	8.5	1.3	. 2	.0		22,4	
	22+	.0	.0	.0	•0	. 2	•2	•	.0	.0		.5	
	TOT \$	. 9	.7	1.3	6.3	36.3	29.5	5.4	1.4	.0	3.5	15,2	
1	TOT DBS												2027

PAGE 434

TARLE 10

AREA 0006 NATUNA ISLAND 3.6N 107.0E

ERCENT	FREQUENCY	OF	CF	CING	HE1GHT!	S (FEET, NH	>4/81	AND
							,4,0,	

HOUR (GMT)	000 149	150 299	300 599	999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00803	.3	.0	.7	3.8	10.0	5.5	2.4	.7	.0	•0	23.4	76.6	291
90360	.0	•0	1.3	5.6	11.1	7.2	2.3	.3	.0	•0	27.9	72.1	305
12615	.0	•0	2.6	9.6	11.6	4.4	2.0	1.6	.0	•0	31.9	68.1	251
18621	.5	.5	1.5	3.4	11.2	4.9	1.0	2.4	.5	•0	25.9	74:1	205
TOT	2	1	16	59	115	59	21	, 12	1	0	286	766	1052

TABLE 11

TABLE 12

		PERCENT	FREQUE	CY VSBY	(NH)	BY HOUR		CUMULAT					VSCY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HDUR (GHT)	<150 <50Y0	<600 <1	<1000 <b>&lt;5</b>	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
E0300	•2	.2	.4	1.2	13.4	84.6	514	00603	.4	1.1	5,6	16.7	75.5	278
90360	.0	.3	1.1	2.0	9,4	87.2	446	90360	•0	1.4	8,6	20.5	70.9	292
12615	•0	.7	.2	3.0	12.0	84.1	433	12615	•0	3.3	13.6	20.0	66.3	240
18621	• 2	.0	• 2	2.2	12.5	84,9	457	18621	.5	2.6	7,8	20.8	71.4	192
TCT PCT	.1	6	11	42	239	1750	2050 100.0	TOT PCT	2	20		200	713 71.2	1002

0-29 30-39 40-49 50-59 40-69 70-79 80-89 90-100 TEHP F 1.3 .5 .2 .0 3.1 11.0 3.6 .5 2.1 33.7 32.3 5.4 .0 1.0 2.4 1.9 .0 .0 .2 .2 .0 427 357 75 6.5 46.2 38.6 8.1 22 2.4 171 18.5 678 73.4 49 5.3 4 924 100.0 .00000

	PERCEN	IT FR	EGNENCI	/ OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALF
3	:1	٠2	1.5	1.3	6.2	1.2	.0	.0	:
7	.7	1.2	5.3	29.0	23.6	6.3	1.8	.0	4.1
3	.0	• 1		1.2	2.1	1.2	.4	.0	
0	•0	•0	•0	.0	.1	. 3	•	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR 58 18 MIN HEAN TOTAL UBS
79 77 74 83.0 599
79 75 72 84.2 953
79 76 73 82.3 522
79 76 73 82.2 673
79 76 72 83.1 2747 MAX 99% 95% 50% 83 84 82 02 83

TABLE 16

	PERC	ENT PRE	BOENCY	OP KELA	I LAE M	DAIDIAA	BY HOU	ч.
HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	:0	1.5	15.5	43.4	44.4	8.0	7	249 271
12615	.0	.4	2.6	48.7	40.9	7.3	80	232
18621	.0	.0	1.0	37.3	45.5	14.1	8Ž	191
TOT	0			437	165	74	70	943

JULY

PERIODI (PRIMARY) 1923-1972 (OVER-ALL) 1855-1972

TASCE 17

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	6 <b>9</b> 72	73 76	77 80	81 84	85 88	# ? ? 2	>92	TOT	FOG	WD FOG
11/13	.0	•0	.0	.1	.0	.0	.0	1	.0	:}
9/10	.0	.0	.0	.0	.1	. 1	. i	4	.0	. 3
7/8	.0	.0	٠.	.0	- 2	. 6	. 2	15	.0	1.0
à	. 0	.0	.0	. 1	• 1	. 3	.0	-	•0	.4
5	.0	.0	. 1		.7	1.1	.0	31	.0	2.2
Ă	.0	•0	.0	, 5	2.4	, 5	.0	49	.0	3.4
ì	.6		.ŏ		1.1	ž	.ŏ	žž	iŏ	1.0
ž	.0	.0	.0	3.9	4.8	. 3	iŏ	130	.0	9.0
ī	.5	.0		2.4	1.9			63	.0	4.4
ò		.1	: ;	20.1	4.0	.0		152		24.4
				11.2	.,		:0	178	ě	12.4
-1 -2		:1	1.2	16.5	.;				.0	
-:	.0		* * *		::	•0	٠.	266		19.5
-3	•0	• 0	1.5	5.0		.0	٠.0	108	• 1	7.4
••	.0	•1	1.9	5.3	- 1	• 0	٠.٥	105	•0	7.3
-3	.0	+ 2	1.9	1.6	•0	•0	٠.	53	•0	3.7
-6	.0	•1	. •	.3	•0	.0	٠.٥	14	.0	1.0
-7/-8	•0	• 2	1.0	.7	•0	.0	•0	27	• 0	.•
-9/-10	. 1	• 1	. 3	. 1	.0	.0	.0	•	.0	. 4
-11/-13	.1	.4	.0	.0	•0	.0	.0	7	.0	, 5
TOTAL	2		130		248		Ì		1	1440
PCT	. 1	17	9.0	994	17.2	45	.1	1441	.1	

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				PC	T FREG D	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)	ŀ		
				N								NE				
HGT	1-3	4-16	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-23	34-47	48+	PCT	
<1	.0	.0	•0	•0	.0	•0	.0		•0	.2	.0	.0	•0	.0	.2	
1-2	•0	.0	• 2	•0	•0	•0	. 2		•0	.4	.0	.0	•0	.0	.4	
3-4	•0	. 2	.2	.0	.0	•0	.4		•0	.0	.0	•0	•0	.0	.0	
5-6	•0	•0	•0	.0	•0	•0	.0		•0	.0	•0	•0	60	.0	.0	
7	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
8-7	•0	.0	•0	•0	•0	•0	•0		•0	• 0	.0	•0	•0	.0	•0	
10-11	.0	.0	•0	•0	•0	•0	•0		•0	.0	•0	.0	•0	•0	•0	
.12	•0	.0	•0	•0	•0	•0	• 0		•0	• 0	.0	•0	•0	•0	•0	
13-16 17-19	•0	.0	•0	•0	.0	٠0	•0		•0	:0	.0	.0	•0	.0	•0	
20-22	.0	.0	•0	•0	.0	•0	•0		.0	:0	•0	.0	•0	•0	•0	
23-25	.0	.0	•0	:0	.0	.0	.0		.0	:0	.0	•0	•0	•0		
26-32	.0	.0	.0		.0	.0			.0	.0	•0	•0	•0	•0	•0	
13-40	.0	.0	•0	•0	•0	•0	•0		•0	.0	•0	•0	•0	.0	•0	
41-48	ö	.0	.0	.0	.0	.0	.0		•0		.0	:0	.0	:8	.0	
49-60	:0	.0	.0			.0	.0		.0	.0	.0		•0	:0	.0	
61-70	.0	.ŏ		:0	.0				ě		:0	•0		:0	•0	
71-86	ě			.0					٥٠		:	:0	•0	.0	•0	
\$7+	.0		•0							·ŏ	:0	:0	•0	:0	•0	
TOT PCT		.2			.ŏ					.7	.0	.0		.0	.,	
	•••	•••	• •	•••	•••	•••	••		•••	•	•••	•••	•••	•••	• •	
				_												
			11-21	E 22-33	34-47	40.			1-3	4-10		35	-4-4-	44.		
HGT	1-3	4-10				48+	PCT				11-21	22-33	34-47	48+	PCT	
<b>41</b> ,	.2	.2	•0	•0	.0	•0	• •		• •	2.7	•0	•0	•0	•0	.••	
1-2 3-4	•0	.,	•0	•0	•0	•0	. 9		, 3			•0	•0	•0	3,8	
5-6	.0	.0	•0	•0	•0	.0	.0		.0	.6	.4	•0	•0	•0	1.0	
7	.0	.0	.6	.0	•0	:0	.0		:0		.0	•0	.0	.0	.0	
8-7	.ŏ	:0		:0	.6	:0	.0			.0	.0	:0	.0	.0	•0	
10-11	.ŏ	.ŏ	.0	:0		:ŏ	:0			ě	:0	.0	.0	.ö	۰٥	
12	.0		.0			.0						,ŏ	.0	ŏ	ŏ	
13-16	.ŏ	.0	•0		.0		ŏ		ŏ					.ŏ	ě	
17-19		.0	.ŏ	.0	.ŏ		ŏ		.0	.0					•0	
20-22			.0			.0			ŏ	.0				ŏ	.0	
23-25	.0	.0		.0		.ŏ	.0		ŏ	.0				.0	.0	
26-32	.0	.0	.0	•0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	•0	
41-48	.0			.0	.0				.0	.0		.0	•0	ŏ		
49-60		.0	•0	.0	.0				.0	.0		.0	• 0		•0	
61-70	.0	.0	.0	.0		.0	.0		.0	.0	.0		•0	ŏ	.0	
71-86	•0	.0	•0	•0	.0	• 0	.0		•0	• 0	.0	.0	•0	:0	•0	
87.	•0	•0	•0	•0	•0	•0	•0		•0	•0	.0		•0	.0	•0	
TOT PCT	. 2	1.1	.2	.0	.0	•0	1.5		.7	3.3	1.5	.0	.0	•0	5.5	

PAGE 436

1,1

*(*.

	45		1043						jl	ĒΥ				ADEA	A000	NATUNA 1	S+ AND
PERIODI	(OVE	-ALL)	1403-1	1972				TABLE	18 (	CONT						6N 107	
				PC	T FREG C	F WIND	SPEED	(KTS)	ANP	DIREC	TION	VERSUS S	EA HEIG	HTS (FT)			
				\$									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.4	1.9	•2	•0	•0	-0	2.6			. 7	9.7		•0	•0	•0	2.1 14.9	
1-2	. 2	10.3	6.4	.0	.0	•0	16.9			1.3	4.4		.0	•0	.0	9.6	
3-4	• 5	7.1	9.1	• 5	•0	•0	16.6			.0	1.0		•2	•0	.0	4.1	
5-6	•0	1.1	5.7 1.0	.0	.0	.0	1.2			:0			.2	• • • • • • • • • • • • • • • • • • • •	.0	. 8	
7 2-9	.0	.0	.5	•0	•0	.0	1:5			ě	:		• • •		ŏ	. 2	
10-11	.0	.0	.0	.0	•0	.0				ě	:		.0	.c	.0		
12			٠٥			:0	.0			.0			.0	.0	.0	.0	
13-16			.0			.0	.0			.0			•0	•0	.0	.0	
17-19				.0	.6	.0				.0			.0	.0	.0	•0	
20-22	.0		.0	.0	.0	•0	.0			.0	. (		•0	.0	.0	•0	
23-25	ŏ	.0	.0	.0	.0	.0	.0			.0			.0	.0	.0	.0	
26-32	ŏ	.ŏ	.0	.0	.0	.0	.0			.0			.0	•0	.0	•0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	. (	0.0	.0	•0	.0	•0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0			•0	•0	.0	.0	
49-60	.0	.0	.0	.0	.0	•0	.0			•0	• (		.0	•0	.0	•0	
61-70	.0	.0	•0	.0	.0	•0	.0			•0	. (		.0	•0	.0	•0	
71-86	.0	.0	.0	.0	.0	•0	.0			•0			.0	•0	.0	•0	
87+	.0	.0	.0	•0	.0	•0	.0			•0	•		•0	•0	•0	0	
TOT PCT		20.4	23.0	.4	.0	•0	44.7			2.1	16.	2 12.9	.4	•0	.0	31 .7	
				w									NW				TOTAL
HGT	1-3	4-10	11-21		34-47	48+	PCT			1-3	4-1	0 11-21	22-33	34-47	48+	PCT	PCT
<1	. 8	2.2			•0	•0	3.1			.0			•0	•0	•0	. 5	
1-2	ž	2.2	1.7	.0	.0	.0	4.2			.0		2	.0	.0	.0	.7	
3-4	.õ	1.0	2.1				3.1			Ö			.0	.0	.0	.1	
5-6	.0	.2	.2	.0	.0	.0	. 3			.0	•		.0	•0	.0	.0	
7	.0	.0	.2	.0	.0	.0	• 2			•0	•		-0	•0	.0	•0	
8-9	.0	.0	.0	•0	.0	.0	•0			.0	•		•0	•0	•0	•0	
10-11	.0	.0	•0	.0	.0	٠0	•0			•0	•		•0	•0	•0	.0	
12	.0	.0	.0		.0	•0	•0			•0	•		•0	•0	٥.	•0	
13-16	.0	.0	•0		. 3	•0	•0			•0	•		٠,	•0	•0	•0	
17-19	•0	.0	• 0		•0	•0	•0			•0	•		•0	•0	•ŏ	•0	
20-22	•0	•0	•0		•0	•0	•0			•0	•			•0	•0	,0 •0	
23-25	.0	•0	•0		•0	•0	.0			•0	:		•0	•0	.0	.0	
26-32	٥,	.0	•0		•0	•0	•0			•0	:		•0	•0	.0	.0	
33-40	.0	.0	•0		.0	•0	.0			•0	:			•0	.0		
41-48	•0	•0	•0		.0	٠ŏ	• 9			.0	:			•0	.0	.5	
49-60	•0	.0	•0		•0	٥.	.0			.0	:			•0		.0	
61-70	.0	•0	•0		.0	.0				.0	:			•0	.0	.ŏ	
71-86	.0	.0	•0		.0	.0	.0			.0		ō .ö		•0	:0		
87+ TOT PCT	1.1	5.6	4.2		.0	:0	10.9			ě	1.			•0	.0	1.3	96.9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
не:	0-3	4=10	11-21	22-33	34-47	48+	PCT	TD's 085
<1	6.1	6.3	.4	.0	.0	٠.0	12.5	-
1-2	2.0	26.7	13.2	•0	.0	•0	41.9	
3-4	•2	13.2	16.8	.4	.0	.0	30.7	
5~6	.0	2.2	9.4	.0	.0	.0	11.7	
7	•0	.0	1.0	. 4	.0	٠,	2.2	
8-9	.0	.0	.7	.0	.0	.0	.7	
19-11	•0	.0	.0	.0	.0	٠.	.0	
12	•0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	. 0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	•0	•0	.0	.0	.0	.0	
26-32	• 0	•0	•0				.0	
33-40	.0	.0		ō			.0	
41-48	.0	ŏ	·ŏ	ŏ			.0	
49-40	.0	.0	.0	.0			.0	
41-70	.0	·ŏ	.0				.0	
71-86	.ŏ	.0	.0				.0	
87+	.ŏ	:ŏ	·ŏ					
-,-	••	••	••	••	•••	•••	••	446
TOT PCT	8.3	48.4	47.4	.4	.0	•0	100.0	440

PERIO	D1 (D4	ER-ALL	1 194	9-197	2				TABLE	19											
					PERCENT	FRE	QUENCY C	F WA	VE HE [ 0	HT EF	r) VS 1	HAVE PI	ERIOD	(SECON	DS)						
PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71~46	87+	TOTAL	HEAN HGT
(SEC)	6.4	30.1	20.0	6.7	. 9	. 2	.0	.0	.1	.0	;0	.0	.0		.0	.0	.0		.0	516 136	3
4-7	-1	1.6	7.0	5.7	1.9	• •	• !	.1	•0	.0	.0	•0	٠,٥		.0	.0	.0	.0	.0	26	•
8-9 10-11	•0	•2 •1	.9	1.0		:1	• • • •	.0	•0	:0	:0	•0	•0		č	ŏ				-4	5
12-13		.0	.4	;i	•0	.0	•0	.2	•0	.0	.0	•0	•0	•0	•0	.0	.0	•0	•0	•	•
>13	0	0	0	.1	• 1	•0	•0	• 0	•0	.0	.0	•0	.0		•0	.0	.0	.0	.0	111	1
INDET	121	278	243	112	30	•	•0	3	.,	.,	. 0	.0	.0	0	0	Ö	0	ò	.0	801 100.0	3

PERIODI (PRIMARY) 1923-1972 (OVER-ALL) 1857-1972

TABLE 1

AREA 0006 MATUNA ISLAND 3.6N 107.0E

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND CIR	RAIN	RAIN SHWR	DR7L	FR7G PCPN	SNO	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HGUR	THOR LTNG	FDG WQ PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	9.5	.0	٠,	٠.	.0		. 0	9.5	11.1	12.7	.0	.0	•0		73.0
NE	.0	.0	.0	.0	.0		.0	-0	10.1	.0	.0	•0	•0		89.9
E	2.4	1,8	.0	.0	.0	.0	.0	4.3	٠.	.0	•0	•0	•0	•0	95.7
SE	3.0	.2	.0	• 0	.0	•0	• C	3.2	.9	.9	•0	•0	•0	• 0	95.0
5	2.2	. 7	.0	•0	.0	.0	.0	2.9	1.6	.7	•0	.0	. 3	•0	94.5
Š b	2.0	1.7	. 4	.0	.0	.0	.0	4.0	2.0	.7	• 0	.0	• 2	• 0	93.0
N	4.6	4.0	. 6	.0	•0	.0	•0	9.4	5.6	.0	•0	.0	•0	•0	85.1
Ñ'n	14.4	3.0	7.7	.ŏ	.0		.0	26.0	11.5	3.8	·ŏ	·ŏ	•0		58.7
VAR	.0		Ö		.0		.č	.0	.0		.0	ŏ	.0		0.
CALM	3.3	.ŏ	.0	.0	.0		.c	3.3	6.7	3.3	.0	.0	•0		86.7
TOT PCT	2.7	1.3	.3	•0	•0	.0	•0	4.3	2.6	.9	•0	•0	•2	•0	92.0

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					STHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RÁIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	S40KE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	3.1 2.7 2.5 2.2	2.0 1.4	.5 .2 .3	.0	.0	.0	.0	4.5 4.9 4.5 3.1	2.8 2.2 3.4 1.6	.2 .0 .8 3.1	.0 .0 .0	.0	.2	.0 .0 .0	92.3 92.9 91.0 92.2
TOT PCT TOT OBS:	2.6 1548	1.3	.3	.0	•0	.0	•1	4.3	2.5	.9	•0	•0	•2	•0	92.1

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		MIN	D SPE	EC (KNE	TS 1								HOUR	(GHT)			
WHD DIR	0-3	4-10	11-21	22-33	34-47	48+	LATOT 280	PCT FREQ	SPD	00	03	80	09	12	15	18	21
N NE E Se Sw	.3 .5 .6 1.0 2.2 2.1	.6 1.5 5.3 22.7 23.1 4.7	1.1 1.1 10.0 12.1		.00	••••••		1.0 1.2 2.2 7.4 35.2 37.7 7.9	5.7 5.6 7.4 9.5 8.6	1.0 1.5 2.9 6.4 37.0 37.5	1.3 2.1 2.8 8.1 39.2 37.3 5.9	1.6 2.3 6.4 38.1 36.2 7.5	.9 1.5 7.7 38.5 38.8 7.6	1.1 .5 1.2 6.7 28.9 40.5	3.0 2.5 12.4 38.6 36.1	.3 .8 2.4 9.4 31.9 35.4 7.3	1.2 2.0 7.4 33.2 40.2 9.6
NW VAR Calm	.4 .0 5.4	1.2	.0	.0	.0	•0		2.0 .0 5.4	7.7	2.8 .0 3.5	2.5 .0		1.1 .0 3.6	3.0 .0 7.9	2.0 .0 1.0	2.3 .0 10.2	.0 5.1
TOT DAS	366 13.7	1689 59.7	723 25.6	28 1.0	1	.0	2827	100.0	8.3	508	116	673	309 100.0	428	101	394	296 100•0

## TABLE 3A

WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL CBS	PCT FREQ	MEAN SPD	00 03	HBUR 06 09	(GHT) 12 15	18 21
NEESS SUUMN VAR CALM TOT OBS	.7 .9 1.5 3.5 9.9 10.6 3.4 1.2 .0 5.4	.3 .3 .6 3.6 23.2 24.7 3.7 .5	.1 .0 .3 2.1 2.4 .7 .2 .0	.0	00000000000	2827	1.0 1.2 2.2 7.4 35.2 37.7 7.9 2.0 5.4	5.7 5.2 5.6 7.4 9.5 8.6 7.7	1.0 1.6 2.9 6.7 37.4 37.5 7.1 2.8 3.0	1.4 1.2 2.1 6.3 38.2 37.0 7.6 1.4 982	1.0 1.5 7.8 30.8 39.7 9.1 2.8	1.0 2.2 8.6 32.5 37.5 8.3 1.6 8.0
TOT PCT	37.1	56.9	5.8	•2	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1923-1972 (OVER-ALL) 1857-1972

TARLE 4

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENTAGE	FREQUENCY	ΩF	WIND	SPEED	BY	HOUR	(GMT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	46+	MEAN	FREQ	OBS
00603	3.0	9.3	59.5	27.5	.8	.2	.0	8.6	100.0	520
90209	4.4	9.0	57.2	28.4	1.0	•0	.0	8.8	100.0	982
12615	6.6	5.7	63.1	23.1	1.5	.0	.0	8.4	100.0	529
18621	8.0	8.4	61.2	21.7	.7	.0	.0	7.9	100.0	690
TOT	152	234	1689	723	28	1	C	8.5		2827
DCT	4.4	6.2	40.7	27.A	1.0	- 1	. 0		100.0	

TABLE 5

ţ

TABLE 6

PCT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION								1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL CBS	CLOUD COVER	600 149	150 299	300 599	660 999	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N	. 1	.1	. 5	.3		6.0	•0	•0	.0	.0	. 2	• :	.1	• 1	•0	.0	.5	
NE	.4	. 1	.8	.3		5.2	•0	.0	. 2	. 2	. 3		.0	•0	.0	.0	. 6	
E	, 5	. 4	1.2	.3		5.0	• 1	. 0	.0	.0	.3	.2	.1	•0	.0	.0	1.8	
SE	1.8	1.9	1.9	.9		4.3	•0		.1	.3	. 5	. 1	.1	. 4	• 0	.0	5.1	
S	6.5	9.3	15.0	6.0		4.9	• 1	• 2	. 5	1.5	4.2	1.6	1.2	•	• 2	.0	27.4	
SW	5.3	6.6	16.0	8.0		5.3	٠ž	•0	.4	2.2	4.0	2.3	1.1		•1	•0	25.4	
¥	.6	1.6	4.0	3.1		6.0	. 2	• 0	. 2	.8	1.0	. 7	.4	• 2	. 5	-1	5.7	
Nel	.0	.2	.7	.8		6.8	• 0	.0	.0	. 4	. 5	. 2	•	• 1	•0	.0	. 4	
VAR	.0	.0	.0	•0		.0	• 0	•0	.0	•0	.0	• 0	.0	•0	.0	.0	•0	
CALM	1.5	. 6	1.6	1.1		4.7	•0	.0	.0	.4	. 5	. 4	.0	• 1	•0	.0	3.5	
TOT UBS	171	215	428	212	1026	5.1	6	2	14	59	119	57	31	10	3	1	724	1026
TOT PCT	16.7	21.0	41.7	20.7	100-0	_	•6	• ?	1.4	5.8	11.5	5.6	3.0	1.0	• 3	•1	70.6	100.0

TABLE 7

CUMULATIVE PCT FRED OF SIMULTAMEDUS	GCCURRENCE
OF CEILING HEIGHT (NM 34/8) AND V	(SBY (NH)

				VSEY (NH	13			
CEILING	<ul> <li>□R</li> </ul>	• DR	• OR	. DR	• UR	• OR	⇒ CR	= OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• ng >6500	. 3	.4	.4	.4	.4	.4	.4	.4
<ul><li>DR &gt;5000</li></ul>	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
■ DR >3500	3.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5
■ DR >2000	7.7	10.0	10.1	10.1	10.1	10.1	10.1	10.1
■ DR >1000	15.5	21.1	21.6	21.6	71.6	21.6	21.6	21.6
■ DR >600	19.2	26.0	27.2	27.2	27.3	27.3	27.3	27.3
■ DR >300	19.9	27.0	28.4	28.4	28.5	20.5	28.5	28.5
■ DR >150	20.0	27.2	28.6	28.6	28.7	28.7	28.7	20.7
• DR > 0	20.3	27.5	29.0	29.0	29.1	29.2	29.3	29.3
TOTAL	212	287	303	303	304	305	306	306

TOTAL NUMBER OF OBS: 1044 PCT FREQ NH <5/8: 70.7

TABLE 74

PERCENTAGE PRES OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 4.8 12.3 23.3 16.8 12.0 9.1 7.1 6.4 6.8 .4 1112

AUGUST

PERIOD: (PRIMARY) 1923-1972 (UVER-ALL) 1857-1972	TABLE 6	AREA 3016	NATURA ISLAND 3.6N 107.0E
	PERCENT FRED OF WIND DIRECTION VS OCCURRENCE OR HON-OCCUP	RENCE OF	

			• • • • • • • • • • • • • • • • • • • •	PREC	IPITAT	IN NG	TH VAR	YING V	ALUES	OF VIS	18111	TY	
VSBY (NM)		٠	NE	E	SE	s	S¥	ĸ	NW	VAR	CALH	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	•	. 1	.0	.0	• 0	. 2	403
<1/2	NIT PCP	.0	.0	.0	.0	•0	. 1	•	•0	.0	.0	. 1	
	TOT %	,0	. າ	.0	.0	•0	•1	. 2	•0	.6	.0	, 3	
	PEP	.0	. າ	.0	٠.٥	•0	• 1	.0	.0	,c	•0	.1	
1/2<1	NO PCP	. 0	.0	.0	.0	٠.	• 1	.0	,0	.0	.0	. 1	
	TOT %	.0	.0	.0	.0	•0	. 1	.0	٠٥.	.0	.0		
	PCP	.0	.0	.0	.0	•0	.0	.0	•1	.0	•0	.1	
1<2	NO PCP	• 7	.0	.0	.c	• C	• 1	.0	•0	.0	•0	. 1	
	TOT %	.c	.0	•0	•0	•0	•1	.0	•1	.0	•0	.1	
	PCP	. 1	.0	.0	•0	٠.	.4	. 1	.0	.0	•1	.8	
2<5	NO PCP	. C	.0	• 1	•	• 3	.5	. 2	•0	.0	,0	1.2	
	TOT %	. 1	.0	• i	•	. 5	. 9	. 3	•0	•0	• 1	2.0	
	PCP	.0	.0	٥.	. 1	.3	.4	. 2	. 2	.0	• 0	1.2	
5<10	NO PCP	.0	. 1	• 2	.9	5.5	5.1	1.5	. 2	.0	. 5	14.1	
	TOT %	.0	. 1	. 2	1.0	5.8	5.5	1.7	. 4	.0	. 5		
	PCP	•	.0	. 1	.1	.6	.6	. 3	. 2	.0	•1	2.0	
10+	NO PCP	, 4	1.3	2.3	6.1	30.0	29,4	5.8	1.0	.0	3.3	80.1	
	TOT %	1.0	1.3	2.4	6.2	30.6	30.0	5,1	1.2	.0	3.4	62.2	
	TOT OBS												1519
	TOT PCT	1.0	1.4	2.7	7.2	36.9	36.8	8.3	1.7	•0	3.9	100.0	

TABLE 9

	PERCENT			P DIPE				EC
ΝĒ	E	SE	S	SW	w	NW	VAR	c

							VALUE	3 0, 1	. 31016				
VSBY (NH)	SPD KTS	N	46	E	SE	S	SM	W	NW	VAR	CALS	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.1		.0	.0	•••	.1	
	11-21	.0	. 0	•0	.0	.0		. 1	.0	.0		.i	
	22+	.0	•0	.0	.0	.0			.0	.ŏ		` <b>;</b>	
	TOT %	.0	.0	• 0	.0	.0	.1	-1	• 0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	٠.	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0		.0	.0	.0			
	11-21	.0	.0	.0	• 0	.0		.0	.0	.0			
	22+	.0	•0	•0	.0	•0	:0	.0	.0	.0		.0	
	TOT S	.0	-0	•0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	•0	•0	•0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	•0	.0	•	•1	.0	.0	.0	•••		
	11-21	. o	Ü	.0	9.	.0	.5	.0		.ŏ		٠,	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	.0	•0	•0	.0	•	-1	.0	•	.0	.0	i	
	0-3	.0	.0	4	.0	.0		•	.0	.0		.2	
2<5	4-10	.0	.0		.1	. 4	.5	.1	.0	.0		1.1	
	11-21		.0	.0	.0	. 1	. 4	.1	.0	.5		7,7	
	22+	.0	.0	.0	•0	.0	.1	.1	.0	.0		, 2	
	TOT \$	•	.0	•1	.1	.5	1.1	.4	.0	.0	•	2.2	
	0-3		.1	•1		.2	.3	•	.0	.0	.8	1.5	
5<10	4-10	.0		. 2	.7	2.9	2.6	. 9	.3	.0	• • •	7.5	
	11-21	.0	.0	•0	.2	1.5	1.7	. 4	.2	.0		4.1	
	22+	.0	.0	.0	.0					.0			
	TOT \$	•	·i	ž	.9	4.6	4:3	1.5	. 5	.ŏ	. 1	13:3	
	0-3	.4	.5	.5	1.0	1.9	1.4	1.1	.3	.0	4.7	11.9	
10+	4-10	.6	.6	1.5	4.3	20.2	19.1	3.4	, 9	.0	•••	51.0	
	11-21	•	.1	.2	1.5	1.6	9.5	1.2		.õ		20.6	
	22+	.0	•0	.0	.0	,2	.2		.0	.0		.5	
	TOT \$	1.0	1.1	2.1	6.3	30.9	30.4	0,2	1.3	•0	4.7	84.0	
	TOT DBS												2131
1	TOT PCT	1.1	1.2	244	7.3	36-1	36.4	8.2	1.8	-0	4.5	100.0	

PAGE 440

C

AUGUST

PERIOD: (PRIMARY) 1923-1972 (OVER-ALL) 1957-1972

TABLE 10

AREA 0006 HATUNA ISLAND 3.6N 1U7.0E

PERCENT	FREQUENCY	OF	C#	Œ	NÇ	HEI	GHT	5	FEETANH	>4/81	AND
		921		0.0			/1	**	MOHIN		

UCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT,	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3560 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	٤.	.0	.7	5.9	12.1	3.6	3.3	1.3	.7	.3	28.1	71.9	306
90360	۰.	-6	1.9	4.6	12.0	6.5	2.2	1.2	.0	.0	29.7	71.0	374
12615	1.6	٠.	6	5.6	8.9	4.4	3.2	•0	.0	•0	25.4	74,6	243
18621	.5	.0	1.9	6.2	10.5	7.2	3.8	1.0	.5	•0	30.6	69.4	209
TOT	6	2	.14	60	120	54	33	10	3	1	307	780	1087

TARLE 11

TADLE 12

CALH

.0 .1 .9 3.7 .1

PERCENT FRYNUCYC! VSBY (NH) WY HOUR								CUMULAT					VSGY (N.T) 1984 HOUR	
HOUR (G4T)	<1/2	1/2<1	1<2	5<3	5<10	13+	TOTAL GBS	HDUR (G47)	<150 <50°9	<600	<1000 <5	1000+ AND5+	TH <5/8	TOTA: .:85
00-03	.0	.2	۰.	2.1	11.1	ā6.3	332	00603	.3	1.4	7.5	21.8	70.7	294
06609	.1	.0	.0	1.9	13.4	34.6	487	96360	• 3	2.6	a.o	22.6	67.1	311
12615	.7	.0	.0	2.5	17.0	79.9	445	12615	1,7	2.9	10.9	16.3	72.8	23\
18621	.2	-2	• 2	2.4	11.6	85.2	492	18621	.5	1.5	9.3	23.0	67.5	200
TOT	. 9	2	3		285	1817	3159 100-11	TOT	6	22	92	220	732	1044

TABLE 13

				T	ABLE 1	3									TABL	E 14			
	PERC	ENT FA	EQUENC	Y DF R	ELATIV	E HUNT	DITY 2	TEIT Y				PERCE	NT FR	EQUENC	Y OF 1	1140 DI	RECTIO	4 BY T	EMP
TEMP #	0-29	30-31	40-49	50-59	40-69	10-79	80-89	90-100	TOTAL	PCT PREQ	N	NE	E	SE	S	SW	¥	NK	VAR
95/99	.0			• • •	.1	. 1	.0	.0	2	•2	.0	.0	•0		.2	.0	.0	٠.	•0
90/94	.0	• (	٥, (	.0	1.2	. 2	. 2	. 1	17	1.7	.0	.0	•0	•1	,,	.7	. 1	٠.٥	.0
15/89	.0		0.0	. 3	3.1	10.2	2.5	. 4	160	14.5	.2	.4	.3		6.8	6.7		.0	.0
80/84	. 5				. 9		34.5	J.5	. 33		. 9	. 9	2.3	4.5	27.4	27.0	6.9	1.0	.0
75/79	.0				. 0		3.5		58	6.0	.2	.0	•1	.5	1.1	1.9	1.4	.7	-0
70/74	.0								ž	.2	.0	.ò	.0	.0		- i	7.i	. ò	.0
TOTAL	0								972	100.0		•	• • •		• -	**	••		
PCT	•0	• (			9.3					••••	1.3	1.3	2.6	5.9	36.3	37.2	8.9	1.7	•0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR KAX 99% 95% 50% 5% 3% MIN MEAN TOTAL OBS (GRT)

00503 95 88 86 82 79 70 74 82-5 0-60 00603 .0 .4 .7 38-3 46-0 14-6 82 27-0 06509 95 91 89 84 80 77 74 84-0 964 00609 .0 1.0 14-2 53-2 24-1 7.5 77 29-9 12215 96 88 85 82 79 77 74 82-3 530 13615 .0 .0 3-5 43-8 42-0 10-6 80 226 18221 88 84 84 82 79 75 75 81-8 692 18221 .0 .0 .0 30-7 54-5 14-9 83 202 170T 0 9 90 87 83 79 77 74 82-8 2812 70T 0 4 52 423 402 11-6 80 997

PERIOD: (PRIMARY) 1923-1972 (OVER-4LL) 1857-1972

TABLE 17

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PCT FREO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	99 92	>92	TÛT	W FOG	#0 FQG
14/16	.0	.0	.1	.0	.0	.0	1 5	.0	.1
11/13	•0	•0	.1	. 1	•1	.1	5	.0	.4
9/10	.0	٠0	.0	•0	.1	.1	2	.0	•1
7/8	.0	•0	.c	.0	. 2	.1	2	.0	.6
6	.0	.0	.1	. 1	. 1	.0	4	.0	, 3
5	.0	• 1	.1	1.5	. 9	.0	27	·õ	1.9
4	.0	•0	. 8	1.5	. 6	.0	41	.0	2.9
3	.0	• 1	. 2	1.3	. 2	.0	25		1.8
3 2 1	.0	• 1	5.0	4.3	. 4	•0	142	.0	10.0
ī	.0	.0	3.9	2.4	.0	.0	89		6.2
ò	ě	.5	22.1	1.9		.0	351		
-1		.4	12.1	* , 7				•0	24.6
-2	.0	1.3	16.6			•0	187	.0	13.1
-3	• • •		10.0	- 4	•0	•0	260	•0	18.2
	.0	1.2	5.3	. 1	.0	•0	93	•0	6.5
-4	•0	1.5	5.0	• 1	.0	.0	93	•0	6.5
-5	•1	2.3	1.3	. 1	•0	•0	54	•0	3.6
-6	.0	.9	.0	•0	•0	•0	13	•0	.9
-7/-8	.4	1.1	.1	•0	.0	.0	23	.0	1.6
-9/-10	.3	• 1	.1	.0	.0	•0	6	.0	. 4
-11/-13	.1	.1	.0	.0	.0	.0	2	.0	• 1
TOTAL	12		1037	•	40	•••	•	ŏ	1426
		135		197		3	1426	٠	
PCT	. 8	9.5	72.7	13.€	2.8		100.0		100.0

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

								TABLE	18						
				PC	T FRED (	F WING	SPEED	(KTS) AND	DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)	ı	
HGT				N								NE			
4G1 <1	1-3	4-10 .0	11-21	22-93	34-47	48+	PCT		1-3	4-10	11-21	22×33	34-47	48+	^CT
1-2	ĕ	1.3	•0	•0		•0	.0		• 1	1.3	•0	• • •	•0	.0	• 1
3-4	.0		.0	.0	.0	•0	1.3		•2	1.0	•0	•0	•0	٠0	1.5
5-6	ŏ	.ŏ	.0	.0	• 0	.0	.0		.0	.0	.0	.0	•0	.0	• 0
7	ŏ		.0	.0	.0	.0	.0		.0	.6	•0	٠.	•0	•0	•0
8-9	ŏ	.ŏ	ě	:0	.0	.0	.0		.0	.0	•0	•0	•0	.0	•0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	-0	.0	•0	•0	•0
12	.0	.0	.0	.c	.0	•0	ŏ		.0	.0	•0	.0	•0	•0	•0
13-16	,õ	.0		.ŏ	.0	.ŏ	ŏ		ő	ě		.0	•0	•0	•0
17-19	.0	.0	.0	•0	.0	.0			ŏ	.0	.0	.0	•0	.0	•¢
20-22	.0	.0	.0	.0	·õ	.0	.0		.0	,ŏ	.ŏ	.0	.0	:5	•0
23-25	.0	.0	•0	•0	.0	.0	.0		.0	.0	.0	•0	.0	.0	•0
26-32	.0	•0	.0	.0	.ŏ	.0	.0		. 0		ŏ	.0	.0	.0	•0
33-40	.0	.0	•0	•0	.0	• 0	.0		.0	.0	.0	•0	.0		•0
41-48	.0	.0	.0	•0	.0	.0	.0		ŏ	ŏ	,0	.0	.0	.ö	.0
49-60	•0	.0	.0	•0	.c	•0	•0		.0	.0	.0		•0	.0	•0
61-70	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	.0	40		ě
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	ò		•0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	ě	.0		ŏ	•0
TOT PCT	•0	1.3	•0	٠0	•0	.0	1.3		• •	1,3	•0	•0	•0	.0	1.6
				E								SE			
HGT	1-3	4-10	11-21	22-33	34047	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 6	. 4	•0	•0	.0	•0	1.0		. 1	. 6	.0	.0	•0	.0	. 8
1-2	.2	1.5	. 2	•0	.0	•0	1.9		1.0	1.7	. 5	.0	•0	.0	3.3
3-4	.0	.0	•0	•0	.0	•0	•0		.0	-1.5	.5	-0	•0	.0	1.9
5-6	•0	.2	•0	•0	•0	•0	. 2		.0	, 1	.0	•0	•0	.0	.1
7 8-9	•0	.0	.0	.0	•0	•0	.0		•0	•0	•0	•0	•0	.0	•0
10-11	•0	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0
12	.0	••	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
:3-16	,0	.0	• 0	•0	•0	•0	•3		•0	:0	.0	•0	•0	.0	.0
17-19	.0	.0	•0		•0	•0	•0		.0	•0	.0	.0	•0	•0	.0
20-22	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	٠.0	•0
23-25			•0	.0	.ა	•0	•0		•0	•0	.0	•0	•0	•0	•0
26-32	.ŏ	ö	•0	.0			30		•0	•0	•0	•0	•0	.0	•0
33-40	ŏ	:0	•0	.0	•0	•0	.0		•0	•0	•0	•0	•0	•0	•0
41-48	.0	.0	•2						•0	•0	•0	•0	•0	.0	.0
49-60	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	.0	•0	•0	•0
61-70			•0	.0	.0	•0	•0		•0	•0	•0	•0	•0	•0	o.
71 - \$6		.0	•0	.0	.0	.0	•0		0.0	•0	•0	.0	•0	٠0	•0
87+	.0	·ŏ	•0	•0	.0	•0				•0	٠.٥	•0	•0	.5	•0
TOT PET	ï	2.2	•2	•0	.0	•0	3.1		.•0	4:0	0	•0	•0	• 6	•0
141 -61	••	4.5	• 4	•0	• 0	•0	3.1		1.1	410	1.0	•0	•0	•0	6. i

FAGE 442

PERIODI	(OAE)	R-ALL)	1963-1	972				TABLE	18 (CONT	)			AREA		NATUNA 6N 107	
				Pe	T FREG :	OF WIND	SPEED	(XTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)	ı		
454	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11=21	54 22-23	34-47	48+	PCT	
<1	. 2	1.3	•0	.0	.0	٠٥.	1.6		. 3	. 4	. 2	.0	.0	.0	1.5	
1=2	.6	13.0	2.1	.0	٠.	.0	16.3		. 5	13.0	2.5	.0	•0	.0	16.3	
3-4	• 5	5.5	5.7	-2	.0	• 0	11.6		. 0	7.Z	7.4	•1	•0	.0	11.6	
5-6	•0	1.3	1.6	.0	.0	•0	2.8		.0	1.9	4.1	.0	•0	•0	6.0	
7.	٠.	.0	.9	•0	.0	.0	. 9		٠٥	• ၁	1.5	.2	•0	.0	1.7	
8-9	۰,0	.0	. 2	•0		•0	• 5		• 0	•0	.2	-1	•0	.0	.3	
10-11	.ç	•0	•0	.0	۰,0	•0	• 0		.3	. 3	.0	.0	•0	.0	•0	
12	.0	.0	•0	•0	•0	٠,	•0		•0	• 0	.0	.0	•0	.0	•0	
13-16	.0	•0	•0	.0	٠,	•0	•0			•0	•0	•0	•0	•0	•0	
17-19	٠.0	.0	.0	.0	.0	•0	•0		•0	٠.	•0	.0	•0	.0	۰0	
20=22	.0	.0	.0	.0	• 0	••	•0		.0	•0	.0	•0	•0	.0	.0	
23-25	•0	•0	•0	• 5	.0	.0	•0		•0	• 3	•0	•0	•0	.0	•0	
24-72 33-40	•0	٠.	•0	• 0	.0	•0	•0		•0	•0	•0	.0	•0	٠.	.0	
41-48	.0	.0	•0	-0	.0	•0	•0		•0	•0	.0	.0	40	.0	•0	
49-60	.5	.0	.0	.0	.0	.0	• 2		•0	•0	•0	.0	•0	•0	•0	
61-70		.0	.0	.0	.0	٥.	•0		•0	•0	.0	•0	•0	•0	•0	
71-86	ò		•0	••	.0	.0	0.0		•0	.0	• • •	•0	•0	.0	•0	
87+	ě	.ŏ	•0	.0	.0		•0		.0	.0	• ?	.0	•0	.0	•0	
TOT PCT	1.ĭ	21.7	10.3	ž	.0	.0	33.5		. 8	19.9	16.3	.0	•0	.0	37.4	
101 - 01	•••	***	10.00		••	••	,,,,		••	• • • • •	10.3	• • •	••	••	31.4	
_				¥								Nw				TOTAL
MGT	1-3	4-10	11-21	22-33	34-47	48.	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	. 6	1.0	.0	•0	•0	.0	1.6		*C	• 2	•0	•0	•0	.0	. 2	
1-2	. 5	4.0	. 6	.0	.0	.0	5.0		.0	• 2	.0	٠.	•0	.0	. 2	
3-4	•0	1.6	• •	•0	•0	•0	2.0		٠,	• 1	. 2	•0	•0	• 0	. 3	
5-6	•0	٠2	.3	•0	•0	•0	.6		•0	•0	•0	•0	• 0	•0	•0	
7 8-9	.0	.0	•2	•0	.0	.0	• 2		•0	•0	•0	•0	•0	.0	•0	
10-11	.0	.0	•0	• 2	• 5	٠.	• 2		• 0	.0	.0	•0	•0	.0	•0	
12	•0	.0	•0	•0	.0	• 5	•0		• • • • •	•9	•0	•0	•0	••	•0	
13-16	.0	.0	*0	•0	.0	-0	• 5		.0	• >	٠.	.0	*9	.0	•0	
17-19	• 0	.0	•0	•0	.0	.0	•0		• 9	.0	.0	•0	•0	•0	•0	
20-22	.0		•0	•0	.0	.0	•0		.5	.5	•0	٥.	•0	.0	•0	
23-25	ŏ	.0	.0	••	.0	.ŏ	,0		.0	.0	.0	.0	•0	.0	.0	
26-32	.0		ě		.0		.0		.0	.5	.0	.0	•0	.0	•0	
33440	ě	.ŏ	•0	•0	•0		•0		.0	:0	•0	•0	•0	.0	•0	
41-48	.0	.0	•0	.0	.0	.0	•0			.0	.0	•0	•0	.0	•0	
49-60	.0		•0	.0	.0	.0	•0			.0	.0	.0	•0	.0	.0	
61-70	.0	.0	•0	•0	.0	.0	.0			•0		•0	•0	.0	•0	
71-86	.0	.0	.0	.0	ě	.5	.0			.0	.0	•0	•0	.0	•0	
87+	·ŏ	.0	.0		.č				ě	.0	.,	.0	•0	ě	.0	
TOT PCT	1.0	6.8	1.5	• 2	.5		9.5					.0	• 5		. 8	93.3
				•	•••	•			• • •	•••	••	•••	••	••	••	

			1	42 2E-	HE:GHT	(-1)		
нет	0-3	4-10	11-21	22-33	34-47	47+	PCT	TOT
<b>C</b> 1	8.8	4.5	. 2	.0	.0	٠.	13.7	085
1-2	3.0	36.4	6.3	.0	. 0	رَ	45.7	
3-4	• 2	12.8	14.2		.0	.0	27.4	
5-6	.0	3.7	6.0	. 5	.0	.0	9.7	
7	,0	.0	2.0	. 2	.0	. 1	2.8	
8-9	.0	.0	. 5	, ž	.0	.0	7.7	
10	.0	.0	.0	ة	.5	.5	.0	
12	.0	.0		ŏ	.0	.0		
13-16	.0	ě		.0	.5	.0		
17-19	.ŏ	ěŏ		.0	.0	.ŏ	ě	
20-22	.ŏ	.ŏ		ě	.0		.ŏ	
23-25	.ŏ	.0	.0	.0	.0	.0	·ŏ	
20-32	.ŏ		č	.0	.5	.ŏ	٠٥	
33-40	.0	.0		.0		.0		
41-48	:ŏ	.5	.0	.0	.ŏ	.0	•0	
49-60	.0						•0	
61-70		•0	•0	•0		.0	•0	
	.0	•0	.0	•0	.0	.0	•0	
71-86	•0	• 0	• 0	•0	•0	.0	•0	
87+	•0	•0	• 2	.0	.0	.0	.0	
TET PET	12.1	57.3	29.7	.7	.0	-0	100.0	431

PERIOD: (OVER-ALL) 1949-1972

PERCENT FREQUENCY OF MAVE MEIGHT (FT) VS WAVE PERTOD (SECONDS)

TABLE 19

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	20-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.1	32.8	20.	5.6	1.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	519	1
6-7	•0	2.0	8.2	5.1	1.2	. 4	.0	•0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	:38	4
8-9	•0	٠2		1.4	. 7	- 1	•0	• • •	• 0	.0	:0	.0	.0	.0	• 0	.õ	.0	.õ	.ŏ	22	5
10-11	•0	•0	.0	, 2	.0	.1	•0	•0	.0	.0	:0	.0	.0	.0	•0	.0	.0	.0	.0	3	6
12-13	•0	•0	. 2	.1	- 1	•0	•0	٠Ŏ	•0	.0	.0	•0	.0	• 0		.0	ě	. 0	.0	4	5
>13	•0	•0	۵.	.1	٠.	.0	•0	•0	.0	.0	.0	•0	.0	• 0	• 0	.0	.0	.0	.0	1	5
INDET	6.3	3.0	2.4	.7	. 2	.1	• 1	•0	.0	.0	:0	.0	.0	.0		.0	.0	.0	.0	120	i
TOTAL	100	307	257	107	27	ă	1	ŏ	ă		Ò	ŏ	ŏ		Ď	ŏ	ŏ	ŏ		807	i
PCT	12.4	36.0	31.8	13.3	3.3	1.0	٠ì	•0	•0	٠ŏ	.0	•0		٠,	• 5	٠.		• 6		100.0	•

PERIOD:	(PRIMARY)	1922-1972
	(OVER-ALL)	1856-1972

(

TABLE 1

AREA 0006 NATUNA ISLAND 3.6N 106.9E

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	RY	HIND	DIRECTION

			,	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	HENA	
WND DIR	RAIN	RAIN	GRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE 442E	SPRAY BLWG UST RLWG SNOW	NO SIG WEA
N NE E SE S W W NH VAR CALM	1.8 1.6 2.6 3.1 .8 2.5 8.8 15.9	3.5 3.1 .0 .9 1.6 2.8 3.2	3.5 .8 .5 .9 1.1 .7 2.5	.00000000000000000000000000000000000000			00000000000	5.5 7.1 3.6 2.7 5.0 12.2 21.7	3.5 3.1 4.5 3.1 1.5 3.9 12.7	.0 7.0 1.9 4.6 4.0 2.0 2.4 5.7	.00.00	.00	.0 .0 .2 1.4 .8 1.3	.0	87.7 84.4 86.4 89.6 91.3 90.9 80.: 62.4
TOT PCT TOT OBS:	2.9	1.4	1.1	.0	•0	••	.0	5.4	2.1	3.1	•0	•0	1.0	-	88.6

TABLE 2

PERCENT	FREQUENCY	OF.	WEATHER	OCCURRENCE	84	HOUR
---------	-----------	-----	---------	------------	----	------

			٥	RECIPI	OITAT	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	DRTL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG Wea
00003 06009 12015 18021	3.2 2.7 2.2 3.6	1.6	1.4 1.5 1.3	.0	.0	.00	.0	6.0 5.8 5.1 4.4	3.5 1.7 1.9 1.1	6.0 6.6	.0	.0	.7 1.7 1.9	.0 .0 .0	89.1 90.6 86.7 87.9
TOT PCT TOT DBS:	3.0 1525	1,4	1.0	•0	•0	•0	•0	5.4	2.1	3.1	•0	.0	1.0	•0	88.7

TARLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KN	D75)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL DBS	PET FREQ	MEAN SPD	00	03	06	69	12	15	18	21
N	•7	1.4	.1	•0	•0	•0		2.2	5.7	2.1	2.4	. 5	2.6	3.3	1.0	3.2	2.9
NS F	.7	1.3	.2	•0	.0	.0		2.4	5.1	2.1 1.9	.2	3.0	2.9	3.5 2.3	1.0	2.4	1.7
ŠE	. 9	5.4	::		.0			6.9	6.8	7.6	8.1	7.3	4.8	6.1	7.8	7.2	6.6
5	2.7	19.7	7,1	.1	•0	.0		29.5	8.5	30.2	33.3	33.5	27.0		34,3	26.0	30.2
SW	2.9	24.6	10.2	. 3	•	•0		38.0	.,9	37.4	43.8	34.3	43.0		40.4	37.1	40.0
×	1.0	5.7	2.2	.2		•0		9.2	.,0	8.8	8.8	10.4	7.5	11.4	6.1	9.5	7.4
Nw	•	2.0	.,	• 1	•0	•0		2.9	7.6	3.0	.9	2.0	3.4	2.6	2.0	3.6	3.0
VAR	J	.0	.0	.0	•0	.0		.0	•0	•0	•0	.0	.0	•0	.0	.0	•0
CALM	6.6							6.7	٥,	6.2	1.7	6.5	5.9	7.8	5.9	8.7	6 • 4
TOT OBS	475	1754	998	21	1	0	2849		7.7	536	117	639	306	411	102	412	326
TOT PCT	16.7	61.6	21.0	.7	•	.0		100.0		100.0			100.0				

# TABLE 3A

WHD DIR	0-6	WIND 7-16	\$P2ED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	HEAN SPD	00	HBU! 06 09	12 12 15	18 21
H HE E SE S SW WW VAR CALM TOT ORS	1.5 1.8 1.7 3.8 10.7 12.9 3.9 1.6 .0	3.1 17.5 22.8 4.6 1.1	1. 4 2. 3 .7 .1	.0	00000000000	2849	2,2 2.4 2.3 2.9 29.5 38.0 9.2 2.9 6.7	5.7 5.1 5.3 6.8 8.9 8.6 7.0	2.1 1.8 1.7 7.7 30.7 38.6 8.8 3.3 0 5.4	1.2 2.0 3.0 6.5 31.4 37.1 4.4 2.5	2.9 3.0 6.4 27.0 38.3 10.3 2.5 7.4 513	3.0 2.1 2.1 6.9 27.8 38.4 8.6 3.4 .0 7.7 738
TOT PCT	44.4	50.9	4.6	•1	•0		100.6		100.0	100.0	100.0	100.0

							SEPTER	BER						
PERIOD: (PRIMARY) (OVER-ALL	1922-197 .) 1856-197						TABLE	! <b>4</b>				AREA	0006	ISLAND
			PER	CENTAGE	FREQU	ENCY OF	WIND	SPEED	8Y H	AUD	(GHT)			
	HQUR	CALH	1-3	4-10	WIND 11-2)	SPEED 22-33	(KNDTS	3) 37 41	В+ н;	EAN	PCT FREQ	TOTAL OBS		
	00603 06609 12615 18621 TOT PCT	5.4 6.3 7.4 7.7 190	8.0 10.3 9.6 11.9 286 10.0	65.1 58.7 60.6 62.6 1753 61.5	20.8 23.4 22.2 17.2 598 21.0	.8 1.3 .2 .4 21 .7		0 1	0	8.1 7.7	100.0 100.0 100.0 100.0	653 945 513 738 2849		

			τ.	ABLE 5								T	SLE 6					
•	CT FRE	0 OF T	OTAL (	CLOUD A D DIREC	MOUNT (	(EIGHTHS)			PERCEN	TAGE #	REQUEN	ICY OF	CEILIN	G HEIG	HTS (I	TANH :	>4/8) ON	
MND DI.	0-2	3-4	5-7	3 & 03800	TOTAL	CLOUD	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	6000+	NH <5/8	
N.	• 5	•2	• 7	.4		4.8	•0	• 2		• 1	.6	•0	.3	•0	•0	•0	.9	
ЙĒ	• •	. 8	• 7	•6		4.9	•0	.0	• 1	. 1	. 5	• 1	. 2	• 0	•0	.0	1.4	
Ę	. • 7	6	.6	. 3		4,4	•0	• 0	.0	.3	. 2	. 2	.0	•0	•0	.0	1.5	
SE	1.2	1.0	2.5	1.8		5.3	•0	•0	.4	.5	. 9	.3		•0	•0	.0	4.5	
5	4.6	6.6	13.7	5.8		5.2	•0	•0	.4	1.8	3.4	1.9	.4	• 2	•1		22.4	
SW	4.5	4.1	16.5	7.6		5.3		• 1	. 6	2.1	3.1	1.6	1.0	. 3	٠.		27.7	
×	1.4	2.6	4.2	3.4		5.4	•2	. 2	. 5	1.0	1.7	5	·.i	.0				
NA	.0	. 5	1.1	1.0		6.2	• 1	• 0	. 1	.7	. 3	•:	':	·ŏ	•0	•0	7.4	
VAR	.0	.0	.0	•0		•0	•0	.0	.0	.0	.0		Š		•0	.0	1.4	
CALM	1.1	1.7	1.6	1.0		4.6	•0	.0		ž	.3	•0	•0	•0	•0	•0	0	
TOT DBS	142	218	411	214	985	5.2	3	2	22	66		.5	.0	•1	•0	•0	4.3	
TOT PCT	14.4	22.1	41.7	21.7	100.0		. 3	.5	2,2	6.7	108	51	21	6	1	1	704	985
_			. • • •				• • •	• /	204	0.,	11.0	5.2	2.1	.6	• 1	• 1	71.5	100.0

TARLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NN)

				VSBY (N)	1)			
CEILING	• GR	■ DR	⇒ OR	- OR	- DR	• OR	• OR	<ul><li>OR</li></ul>
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
● DR >6500	.3	,3	.3	.3	.3	.3	.3	.3
<ul><li>DR &gt;5000</li></ul>	.7	.9	. 9	. 9	. 9	. 0		. 9
■ DR >3500	2.2	2.9	3.0	3.0	3.0	3.0	3.0	
■ DR >2000	6.4	8.0	8.2	8.2	8.2	8.2	8.2	3.0
■ OR >1000	13.6	18.1	18.9	18.9	18.9			2
■ DR >600	16.7	24.0	25.3	25.4	25.5	18.9	18.9	18.9
• DR >300	17.4	25.4	27.2	27.5	27.6	25.5	25.5	25.5
• DR >150	17.4	25.5				27.7	27.7	27.7
• DR > 0			27.4	27.7	27.8	27.9	27.9	27,9
	17.4	25.7	27.7	28.0	28.1	28.2	28.2	28.2
TOTAL	175	259	279	282	283	284	284	204

FOTAL NUMBER OF OBS: 1006 PCT FREQ NH <5/81 71.8

TABLE 7A

PERCENTAGE PREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 5.6 14.6 20.5 17.8 13.2 8.9 7.6 4.9 7.4 .1 1080

s	e	٥	Ŧ	¢	4	9	¢	R

							357	E-OEK						
PERIODI (PRIMARY) 1 (OVERMALL) 1							TAR	LF 8				ARE	4 0006	NATUNA ISLAND 3.6N 106.9E
		PF	PCENT				Y NOITS						E OF	
VSBY (NH)		N	NE	ε	SE	•	Sw	4	NW	JAR	SALM	PÇT	TOTAL GUS	
<1/2	PCP ND PCP TOT %	.0	.0	.0	.0	•0	•0	.1	.0	.0	•0	.0		
1/2<1	PCP NO PCP TOT %	.0	.0	.0	•0	•0	•0	.0	••	.0	•0	.0 .1		
1<2	PCP NO PCP TOT %	.0	.0	.0	•0	•1 •1 •2	•1	.1	.1 .0 .1	.0	•0	.3		
2<5	PCP ND PCP TOT %	.0 .0	.1 .1 .1	•0	: i	•1 •6 •7	• 1 • 6 • 7	.5 .1 .6	•2 •0 •2	.0	•0 •1 •1	.9 1.6 2.5		
5<10	PCP ND PCP TOT %	.1	.1 .4 .5	•1 •2 •4	1.1 1.3	4.3 4.7	1.6 6.0 7.0	.3 1.6 1.9	.3 .6 .8	.0 .0	.0 .8 .8	2.4 15.5 17.9		
10+	PCP NO PCP TOT %	.1 1.3 1.3	.0 1.6 1.6	2.2 2.2	.1 5.4 5.5	24.3 24.5	.7 29.0 30.6	7.3 7.6	.1 1.5 1.6	•0	4.1 4.1	1.6 77.4 79.0		

TOT 885 TOT PCT 1.8 2.1 2.0 6.9 30:1 38:4 10:3 2.6 .0 5:1 100:0

TABLE 9

							VAČUES				ED		
VSBY (PM)	SPD KTS	N	NE	ž	\$E	S	SH	W	NW	γAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	, ć	.0		, ŏ	
	11-21	.0	.0	.0	.0	.0	.0		. c	. 0			
	22+	.0	•0	• 0	.0	•0	.0	.0	.0	.0		.0	
	TOT %	•0	.0	•0	•0	•0	.0	•	.0	٠.	•0	*	
	0-3	.0	.0	•0	•0	.0	.0	٠.	.0	.0	.0	•0	
1/2<1	4-10	•0	•0	•0	•0			÷	.0	.0		•1	
	11-21	•0	٠0	•0	•0	.0	٠.	•0	.0	.0		.0	
	22+	•0	.0	•0	•0	.0	.0	••	.0	.0	_	.0	
	<b>TOT </b> \$	٠۵.	•0	•0	.0	•	•	•	.0	•0	•0	.1	
	0~3	.0	.0	.0	.0	•		.0	.0	.0	.0		
1<2	4-10	.0	.0	.0		• 2	.1	.0		.0		.3	
	11-21		.0	.0	.0	•	.1			.0		.2	
	22+	.0	-0	• 0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	•	•6	•0	•	•2	.2	•	•1	•0	•0	.6	
	0-3	.0	.0		•	•	•	.0	.0	.0	.1	.3	
2<5	4-10	•		•0	• 1	• 4	.5	.3	• 2	.0		1.6	
	11-21	.0	•	•0		•2	.2	.2	.0	.0		.7	
	22+ TOT %	•0	.0	• 0	.0	:0	.0	.0	.0	:8	.1	2.6	
	0-3	.2	•2	•1	•1		.4	.0		.0	.7	2.1	
5<10	4-10	.2	.2	.2	. 9	2.6	3.5	.7	.ŝ	:0	• •	8.7	
3610	11-21	• • •	:6	.6	.1	1.3	1.8	.7	.4	ö		4.3	
	22+	.ŏ	.ŏ	ě	:6	***		:i		:0		7,3	
	TOT \$	.4	.4	.3	1.1	4.3	6.0	1.5	.7	.0	.7	15.4	
	0-3	.6	.7	.5	.7	1.8	2.3	1.1	.3	.0	5.9	13.8	
10+	4-10	.9	1.1	1.4	4.3	16.5	20.3	4.8	1.7	٠.		90.9	
	11-21		• 2	•1	. 4	5.9	6.3	1.0	. 2	.0		16.1	
	22+	.0	.0	•0	.0	. 1	.2	.2	.0	.0		4	
	TOT %	1.4	2.0	2.0	5.4	24.2	*1.1	7.1	2.1	٠.	5.9	11.3	
	OT DES									_			2069
T	CT PCT	1.9	2.5	2.2	6.7	29.5	98.0	9.3	3.1	.0	6.8	100.0	

(

PERIOD: (PRIMARY) 1922-1972 (OVER-ALL) 1856-1972

TABLE 10

AREA OGOD NATUNA ISLAND 3.60 109.9E

# PERCENT FREQUENCY OF CFICING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HDUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000◆	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
60300	.3	.6	1.9	8.0	10.3	4.2	1.6	.6	.0	. 3	28.0	72.0	311
90360	.0	•0	3.3	6.0	9.0	6.6	2.0	.7	.3	•0	27.9	72.1	301
12615	.0	.0	1.4	5.7	11.0	3.3	2.9	.0	•0	.0	24.4	75.6	209
18621	. 8	.0	1.3	5.0	11.7	5.0	1.7		.0	.4	26.8	73.2	239
TOT	3	2	22	67	110	52	21	5	1	2	286	774	1060

TABLE 11

TABLE 12

TABLE 16

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM) 13BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL GBS	HOUR (GMT)	<150 <50YD	<600 <b>∢</b> 1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00803	.2	.2	.4	2.6	15.2	91.4	538	00603	• 3	3.0	12.8	17.6	69.6	296
90360	•0	.2	,3	2.2	14.4	82.7	624	90360	•0	3.8	11.0	18.6	70.4	291
12615	.0	.0	1.7	3.2	15.0	80.1	412	12615	•0	1.5	11.3	16.4	72.3	195
18521	.0	.0	• 2	2.5	16.6	80.8	525	18621	.9	2.2	8.9	19.6	71.4	224
TOT PCT	1	.1	12	54 2.6	321 15.3	1709 81.4	2099 100.0	TOT PCT	.3	28 2.8	112 11.1	182 18.1	712 70.8	1006 100.0

				τ.	ARLE 13	•									TAS	LE 14			
	PERC	ENT FR	EOUENC	/ OF R	ELATIV	HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERCE	NT FR	EQUENCY	OF	WIND D	IRECTION	BY TE	HP
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-160		PREQ	N	NE	E	SE	\$	S W	u w	NW	VAR
90/94	.0	.0	.0	•1	1.0	,7	.1	•0	18	1.9	•0	.1	•0	.2	.7	6	2	.0	.0
85/89	.0	.0	0	. 4	3.1	9.2	2.8	, 5	150	16.0	. 3	.3	.5	.9	5.9	6.3	9	.1	
80/84	.0	.0		• 1	1.4	32.2	36.2	6.7	719	70.6	.9	1.9	1.8	4.8	22.1	29.2	8.3	1.8	• 0
75/79	.0	.0		.0	.0	. 4	2.2	2.8	51	5.4	. 2	.1	.4	. 4	.6	1.4	1.4	. 9	.0
70/74	. 0	.0		•0	.0	.0	.0	• 1	i	.1	.0	٠.٥	.0	.0	.0	1		.0	. 0
TOTAL	Ĭ	Č				399		95	939	100.0									
PCT	.0	.0	•0	.6	5.4	42.5	41.3	10.1			1.4	2.5	2.7	6.3	30.1	37.5	10.8	2.8	• (

TABLE 15

	MEANS,	EXTREMI	ES AND	PERCEN	ITILFS	OF TER	1 <b>P</b> (DE	G F} 6	Y HOUR		PER(	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIN	BY HOUR	
DUR GMT>	MAX	99\$	95%	50%	54	14	HIH	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL USS
0203 6009	91 94	88 91	86 89	83 04	79 79	75 76	74 72	82.6	649 920	£0300	.0	1.5	2.5 14.3	37.8 52.9	47.7	11.7	81 76	283
2415	41	86 85	85 84	82	79 79	77	75 73	82.2	516 739	12615 16621	•0	•0	2.1	45.3	42.6	10.0	81 92	190
TOT	94	90	87	82	79	76	72	82.7	2824	TOT	0	6	52	410	394	101	80	963

PERIODI	(PRIMARY)	1922-1972
	/AVER-4: 1	1854-1977

TA	BLE	17

AREA 0006 VATUMA ISLAND 3.6M 106.9E

PCT FREQ DE AIR T	EMPERATURE (DEG F) AND VS AIR-SEA TEMPERA	THE OCCURRENCE OF FOG LTURE DIFFERENCE (DEG )	(WITHOUT PRECIPITATION)
-------------------	----------------------------------------------	--------------------------------------------------	-------------------------

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	тот	FOG	HO FOG
11/13	.0	.0	.0	.0	-1	.1	-1	4	.0	.3
9/10	.0	•0	.0	. 1	.0	.1	-1	4	.0	.3
7/8	.0	•0	.0	.1	. 2	.3	.0	8	.0	.6
6 5	.0	•0	.0	.1	.1	. 1	.0	4	.0	.3
5	.0	•0	.0	.5	. 4	.9	.0	26	.0	1.9
4	• 0	•0	.0	1.0	2.8	. 6	.1	62	.0	4.4
3	.0	•0	.0	. 3	1.0	. 1	.ŏ	19	.0	1.4
2	.0	•0	.1	5.0	4.0	.1	.0	129	.0	9.2
1	.0	.0	.0	3.4	2.2	.0	.0	79	•0	5.6
Ó	.0	• 1	. 5	21.2	2.9	.0	.0	347	.0	24.7
-1	.0	.0	. 1	12.3	. 5	.0		181		12.9
-2	.0	• 1	1.6	15.9	. 5	.0		254	.5	18.1
-2 -3	.0	.0	.6	4,0	. 2	·ŏ	ŏ	78	ŏ	5,6
-4	.0	.0	3.3	4.6	. 1	.0	.0	1		8.0
-5	.0	•0	2.1	1.4	.0	.0	č	• 50		3.6
-6	.0	• 1	1.1	.1	.0	.0	.ŏ	19	.0	1.4
-7/-8	.0		.6		.0		ě	20	ě	1.4
-9/-10	ō	. 3	.õ	, î	.0	.0				
-11/-13	.i	•1	.1		.0		ŏ	á	.0	. 4
TOTAL	'i	••	141	• •	211	••	3	,	•0	2
10176	•	17	***	999			,		·	1405
PCT	.1	1.2	10.0		15.0	33		1405		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• 1	1.2	10.0	71.1	13.0	2.3	. 2	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

								TABL	E 18							
				P	T FREO D	F WIND	SPEED	(KTS) AN	D DIRE	CTION V	ERSUS S	SEA HETO	HTS (FT)			
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PET		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT	
<1	.3	.0	•0	.0	.0	.0	. 3		. 8	.0	.5	.0	•0	.0	. 8	
1-2	.0	.7	•0	.0	.0	.0	.7		. 6	. 9	.0	.0	•0	.0	1.7	
3-4	. 2	.0	•0	.0	.0	•0	. 2		. 1	. 3	.0	•0	.0		.,3	
5-6	.0	.0	•0	.0	.0	• • •	.0		.0	.0	.0	.0	• 0	.0		
7	• 0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0		
8-9	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	•0	10	.0	.0	
10-11	.0	.0	•0	•0	.0	• 0	.0		.0	.0	.0		•0		•0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0		
13-16	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	,ŏ	
17-19	.0	.0	•0	.0	.0	•0	.0		.0	.0	.0	•0	•0	.0	.0	
20-22	.0	.0	•0	•0	.0	•0	.0		.0	• 0	.0	.0	•0	.0	·ó	
23-25	.0	.0	•0	•0	.0	•0	•0		.0	.0	.0	•0	•0	.ŏ	.0	
26-32	.0	.0	•0	•0	•0	•0	•0		.0	.0	.0	.0	•0	·ŏ	.0	
33-40	.0	•0	•0	.0	.0	•0	•0		.0	.0	.0	.0	•0	.0	•0	
41-48	.0	•0	•0	.0	.0	•0	.0		.0	.0	.0	•0	•0	.0	•0	
49-60	•0	•0	•0	.0	٠.	•0	.0		.0	.0	•1	.0	•0	.0	•0	
61-70	•0	•0	•0	•0	•0	•0	•0		.0	.0		• 0	•0	.0	•0	
71-86	•0	٠,0	•0	.0	.0	-0	•0		.0	.0		•0	•0	.0	.0	
87+	•0	•0	•0	•0	.0	• 0	•0		• 0	• 0		•0	•0	.0	.0	
TOT PCT	.4	.7	•0	•0	.0	•0	1.2		3.6	1.2	•0	•0	•0	•0	2.8	
HGT	1-3	4-10	11-21	E 22-33	34-47	48+						SE				
<1		.0					PCT		1-9	4-10	11-21	22-33	34-47	48+	PCT	
1-2			•0	.0	•0	.0	•0		,0	. 3	•0	.0	•0	۰,0	. 5	
3.4	.ŏ	.;	•0	.0	.0	.0	.8		• 1	2.1	•1	•0	•0	.0	5.5	
5-6		.6		.0	ě	• • • •			.0	1.3	.3	٠.٠	• 2	.0	1.7	
7	.0	.0	.0	.0	.5	.0				•0	•0	•0	•0	.0	•0	
8.9	.0	.ŏ	.0	.0	.0		.0		.0	.0	•0	•0	•0	•0	•0	
10-11	.0	.0	•0	.ŏ	ě	:ŏ	.0		.0	.0	•0	•0	•0	•0	•0	
12	.0	.0	40		. 0	.0	.0		۰٥	·ŏ			•0	:0	•0	
13-16	.0	.ŏ	.0		.0	.ŏ	ŏ		ě	.ŏ	.0	.0	.0	:0	•0	
17-19	.0	.0	•0	•0	.0	•0	.0		ŏ	.0					•0	
20-22	.0	,ŏ	•0	.ŏ	ě				ö	.0	.0	•0	•0	:0	•0	
23-25	.0	.0	•0		, č	.0				.0	.0	•0		•0	•0	
26-32	.0	-0	•0	.0		•0				.0		•0	•0	•0	•0	
33-40	.0	.0	•0	.c	.0				ě	.ŏ	•0	٠٥		•0	••	
41-48	.0	.0	.0		ŏ	ě			ŏ	ŏ	•0	•ŏ	•0	.0	٠0	
49-60	•0	•0	•0	.0	.0	.0	.0		.0	.0		•0		•0	•0	
61-70	.0	.0	.0	.0	.0	٠٥	.0		•0	:5	•0	•0	•0	•0	•0	
71-86	.0	.0	•0	.0	.0				.0	.0		•0	٠٥	•0	•0	
87+	.0	.0	•0		٠ŏ	.ŏ	:ŏ		.0	ŏ	•0	.0	•0	.0	•0	
TOT PCT	.0	1.1	•0	.0		·ŏ	1.1		ii	4.0	• •	.0	.0	•0	4.4	

PAGE 448

**(**)

.

ND SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
4-10	11-21	22-33	34-47	48+	PCT	TOT
4.8	.0	.c	.0	.0	13.3	085
32.4	9.2		.0			
			.0			
	4-10 4-8 32.4 15.6 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	4-10 11-21 4.8 9.2 15.6 11.5 2.0 7.4 9.2 9.3 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	4-10 11-21 22-33 4.8 .0 .0 .0 32.4 9.2 .0 15.6 11.5 .5 2.0 7.4 .3 3.5 2.6 .3 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 0.0 .0 .0 .0 0.0 .0 .0 .0 0.0 .0 .0 .0 0.0 .0 .0 .0 0.0 .0 .0 .0 0.0 .0 .0 .0	4-10 11-21 22-33 34-47  4-8	4.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4-10 11-21 22-33 34-47 48+ PCT  4.8 .0 .0 .0 .0 .0 13.3 32.4 9.2 .0 .0 .0 .0 44.9 15.6 11.5 .5 .0 .0 .0 47.9 2.0 7.4 .3 .0 .0 .0 .7 2.0 7.4 .3 .0 .0 .0 .7 2.0 .8 .0 .0 .0 .0 .3 2.0 .8 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .

TOT PCT 12.2

PERIOD: (DVER-ALL) 1949-1972 TABLE 19 PPRCENT FREQUENCY OF MAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) 46 6-7 8-9 10-11 12-13 >:3 INDET TOTAL PCT MEAN HGT 2 4 6 4 4 1 3 21.3 7.6 .5 .3 .1 .0 2.1 248 31.8 305 133 25 7 2 0 107 779 100.0 6.2 .1 .0 .0 .0 .0 .0 8.7 117 15.0 3.0 4.6 1.0 .0 .1 .0 .1 30.9 2.2 .3 .4 .0 .0 2.4 283 36.3 .3 1.2 .0 .0 .1 .0 .0 .0 .0 .2 ....... 0000000000 .000000000 0000000000 .0000000000 .0.000001 ........ 000000000 ........ 0000000000 0000000000 0000000000

TABLE 1

AREA 0006 NATUNA ISLAND 3.6N 107.0E

BEACELT	CREAMENTY	~-	4	CCCURRENCE		
PERCENT	PREQUENCY	JF.	REATHER	CCCURRENCE	SY WIND	DIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HID CHH	RAIN	RAIN SHWR	PRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUP	THOR LTNG	FOG HD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE E SF S W W NAR CALM	2.0 2.4 5.9 3.5 4.8 6.6 7.0	9 4.0 1.6 3.9 .8 2.7 2.4 5.4	.5 1 1 1.3 1.3 1.4 1.5	.00		.0	000000000000000000000000000000000000000	3.4 6.9 8.6 5.8 5.5 6.9 10.6 14.0	3.2 0.3 8.6 1.3 2.8 3.3 3.6 3.2	2.5 2.2 2.7 3.2 1.5 1.6 1.5 1.0	.0	.00	1.1 .0 1.9 2.1 1.4 1.3 .8	•0	90.9 84.6 80.1 87.8 67.1 84.7 82.9 81.0 92.1
TOT PCT TOT OBS:	4.1 1556	2.4	1.1	•0	•0	•0	•0	7.6	3.7	1.9	•1	•0	1.3	•0	85.5

TAPLE 2

PERCENT	FREQUENCY	G#	WEATHER	SCCURRENCE	ВУ	HGUR
		-		- TOUR MENUE	•	

				RECIPI	TATIC	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HDUR	THOR LTNG	FOG HO PCPN	FGG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	4.4 4.7 3.3 4.2	2.1 3.3 3.0 1.4	1.2	.0	.0		.0	6.7 9.3 7.1 7.9	3.7 3.1 3.6 4.3	.5 .0 2.4 5.9	.0	.0	2.1 1.0 1.2	•0	87.1 86.2 86.1 81.4
TOT PCT TOT OBS:	4.2	2.5	1.1	.0	•0	-0	.5	7.8	3.7	1.9	•1	•0	1.3	•0	85.4

TARLE 3

# PERCENTAGE FREQUENCY OF WIND DERECTION BY SPEED AND BY HOUR

WNO DIR	0-3	w1 4-10	ND SPE 11-21	22-33	7\$) 34~47	44+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	18	21
N NE E SE S W NW VAR CALM	2.0 1.9 1.6 1.5 2.1 2.8 1.9 1.8	4.5 6.8 3.2 2.6 8.4 16.9 9.5 5.3	.5 1.3 .4 .2 2.5 5.7 2.8 1.1	.1 * .3	.0	•••••••		7.0 10.0 5.3 4.3 13.3 26.1 14.5 8.3	5.8 6.4 5.7 5.2 7.8 8.3 6.8	6.5 11.3 4.9 5.1 15.8 25.1 12.2 7.4	15.2	13.4 26.8 14.6	3.8 3.8 14.0 29.9	7.4 9.8 5.1 3.6 12.4 24.3 16.0 7.8	15.0 4.2 6.8 10.8 22.6	10.1 5.4 3.6 11.7 24.3 13.8 8.5	6.1 10.7 4.0 3.4 13.3 27.4 13.5 7.3
TOT DAS	779 26.7	1669 37.2	422 14.5	1.5	. 1	.0	2917	100.0	6.6	496	130	72n 100.0	326	425	95	16.4 402	14.2 323

۸	8 L	E	34	

WND DIR	0=6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DBS	PCT FREQ	MEAN SPD	00 03	HDU1 06 09	12 12 15	18 21
N	4.8	2.1	.1	.0	:0		7.0	5.8	6.2	7.0	9.2	6.2
NE	6.1	3.8	.1		.0		10.0	6.4	11.5	8.6	10.7	10.3
ŧ	3.6	1.4	.1	•0	.0		5.3	5.7	5.5	5.8	5.0	4.4
3 E	3.2	1.0	•1	.0	.0		4.3	5.2	5.3	4.3	4.2	3.5
8 5E 5	6.5	6.0		.0	.0		13.3	7.8	14.7	13.6		
SW	10.7	13.8	1.4	iž			26.1	6.5	25.6		12.1	12.4
W	6.4	7.1	.,9							27.7	24.0	25.7
ÑW	4.9	3.0	:4	•1	•0		14.5	8.3	12.8	15.7	15.0	13.7
VAR				•0	•0		8.3	6.8	7.6	9.0	8.0	7.9
	0	•0	•0	•0	.0		.0	٠٥.	.0	.0	.0	•0
CALH	11.2						11.2	.0	10.7	8.3	11.7	15.4
TOT OBS	1677	1118	113	9	٥	2917		6.6	626	1046	320	725
TOT PET	57.5	38.3	3.9	.3	:0	•	100.0	•••		100.0	100.0	100.0

PERIODS	(PRIMARY)	1920-1972
	(BYER-ALL)	1855-1972

TARLE 4

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENTAGE	FREQUENCY	0F	MINC	SPEED	84	1.0UR	(SMT)	

HOUR	CALM	1-3	<b>10</b>		SPEED (		48+	MEAN	PCT FREQ	TOTAL
00603	10.7	16.1	56.5	15.7	.6	. 3	.0	6.5	100.0	626
90360	8.3	15.0	56.9	18.3	1.5	.0	.0		100.0	1046
12615	11.7	16.7	57.7	11.5	2.3	do	.0		100.0	520
18621	15.4	14.8	57.9	10.1	7.7	.1	• 0		100.0	725
TOT	327	452	1569	422	44	3	Ō	6.6		2917
PCT	11.3	15.5	57.2	14.5	1.5	.1	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A D DIREC		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	3 8 085CD	TOTAL TBS	KFAN CLOUD COVER	000 149	150 299	300 599	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.0	2.0	2.5	.8		4.8	•0	•0	.0	.5	.6	•2	.1	•0	•0	.0	4.9	
NE	2.3	3.3	5.7	1.7		4,9	•0	.0	.0	. 8	1.6	1.0	.0	•0	•0	.3	9.3	
Ε	. 9	1.7	3.4	1.1		5.1	•0	.0	ž	. 8	9	• 5		.0	.0		4.7	
ŠE	. 9	1.5	2.1	.7		4,7	• 1	• 1	.0	.3	. 5	. 2	. 2	• 0	•0	.0	3.7	
S	1.7	1.9	6.2	3.5		5.6	•1	• 1	. 2	1.1	1.9	.6	. 5		• 1	.0	8.8	
SH	2.2	3.6	10.9	5.6		5.7	•0	• 1	. 8	1.7	2.6	1.9	. 4	• 1	. 2	.0	14.5	
ě	1.3	2.0	7.1	3.4		5.8	• 1		. 3	1.2	2.5	1.0	. 2	. 2	•1		8.2	
Й₩	. 9	1.3	4.0	1.9		5,6	•1	•0	.1		1.6	. 4	. 3		• 0		4.9	
VAR	. 0	.0	.0	•0		•0	•0	. 0	.0	.0	.0	•0	.0	.0	•0	.0	.0	
CALM	2.6	3.0	4.1	1.2		4,4	•0	.0	. 1	.4	.,,	. 4		•0	•6	.0	9.1	
TOT DAS	139	205	463	201	1008	3.3		• •	17	73	131	63	19	• • •	• • • •	• • •	685	1008
TOT PCT	13.8	20.3	45.9	19.9	100.0		•4	. 5	1.7	7.2	13.0	6.3	1.9	.4		. ś	68.0	100.0

TARLE T

1000
OF SIMULTANEOUS OCCURRENCE (NH >4/8) AND VSBY (NH)

				VSBY (NY	13			
CEILING	<ul> <li>DR</li> </ul>	= DR	= GR	. ng	• OR	- OR	- DR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	.6	.7	. 9	.9	, 9	.9	.9	. 9
■ DR >5000	.9	1.0	1.2	1.2	1.2	1.2	1.2	1.2
■ DR >3500	2.7	3.1	3.3	3.3	3.3	3,3	3,3	3.3
■ CR >2000	6.9	8.5	9.3	9.3	9.3	9.3	9.3	9.3
<ul> <li>DR &gt;1000</li> </ul>	16.3	20.5	21.9	22.0	22.0	22.0	22.0	22.0
■ DR >600	20.5	26.8	29.0	29.2	29.2	29.3	29.3	29.3
■ OR >300	21.3	28.4	30.6	30.9	30.9	31.0	31.0	31.0
• DR >150	21.3	28.5	30.8	31.1	31.1	31.2	31.2	31.2
• DR > 0	21.4	28.8	31.0	31.4	31.4	31.5	31.6	31.6
TOTAL	225	302	326	390	330	331	332	332

TOTAL NUMBER OF DESI 1050

PCT FREQ NH <5/81 68.4

TABLE 7A

PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

1 2 3 4 5 6 7 8 OBSCD OBS 4.0 13.1 19.3 18.6 12.6 9.2 6.9 6.7 9.3 ,3 1139

	n	٠	c	١

							90	TUBER						
PERIOD: (PRIMARY) 1 (CVER-ALL) 1							74	8LF 8				ARE	A 0006	NATUNA ISLAND 3.6N 107.0E
		P	ERCENT	FREQ (	SF WIN	D KIRE ION WI	CTION TH VAR	VS DECI	URRENCI ALUES (	CA N OF VIS	181111	URRENG	e OF	
VSBY (NM)		ĸ	NE	ε	\$F	S	Sw	¥	ИМ	VAR	CALH	PCT	TOTAL OBS	
<1/2	PCP ND PCP TOT \$	.0	•0	.0	.0	•0	•0	•1 •	•0	.0	.0 .0	:1:2		
1/2<1	PCP NO PCP TOT %	.0	.0	.0	•0	•0	•0	.0	.0	•0	.0	.1		
1<2	PCP NO PC> TOT %	.0	•0	•0	•1 •	•1 •	•i •0 •1	•1 •1 •2	.2 .0 .2	•0	.0 .0	.5 .1 .6		
2<5	PCP NO PCP TOT %	• 2	.? .6 .7	.2	.2	•1 •4 •5	.3	.2	•2 •0 •2	•0	•0	1.2 2.3 3.5		
5<10	PCP ND PCP TOT %	.1 .9 1.1	1.6	.3 1.0 1.2	.1 1.0 1.1	2.6 2.8	.8 4.3 3.1	2.5 3.0	1.3 1.6	•0	1.1 1.2	2.9 16.2 19.1		
10+	PCP NO PCP TOT %	9.7 9.8	9.2 9.5	.1 4.3 4.4	.1 3.5 3.5	.3 8.8 9.0	1.0 17.8 18.8	.6 10.2 10.8	5.6 6.0	.0 .0	*1 8.5 8.6	2.8 73.6 76.5		
	TOT CBS	7.1	12.2	6.0	5.0	12.5	24.9	14.6	2.0	•0	9.8	100.0	1555	

TABLE 9

				_			•					PCT	-0-4.
SBY NH)	SPD KTS	N	NE	E	\$E	Ş	SW	=	NW	VAK	CALM	PCI	TOTAL
	0-3		.0	.0	.0	.0	.0	.0	٠.	.0	ζ0		
1/2	4-10	.0	.0	•0	•0	.0	.0	*		-0		•	
	11-21	.0	.0	.0	•	•0	.0		.0	.0		.1	
	22+	.0	.0	40	٠0	40	.0	•0	.0	.0	_	,0	
	TOT \$		.0	•0	•	•0	.0	•1	•	.0	•0	.2	
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
/2<1	4-10	.0	•0	.0	•		-0	.0	.0	.0			
	11-21	.0	.0	•0	.0	.0		•	,ç	.0		•	
	22+	.0	.0	•0	•0	.0	.0	.0	.0	.0	_	.0	
	TOT %	.0	.0	•0	•	•	•	•	.0	.0	٠.	.1	
	0-3	.0	•0	•0	.0	.0	•0	.0	.0	.0	-1	.1	
1<5	4-10	•	•0	•0	.0			•0	. 1	•0		• 1	
	11-21	.0	•0	•0	.1	•	-1	•1	. 1	.0		. 4	
	22+	.0	•0	•0	•0	•0	•	•	.0	• 0		•	
	TOT %	•	•0	•0	• 1	•1	•1	•5	. 2	•0	•1	.7	
	0-3	.2	.1	ø.	.0	.1		•		.0	. 2	.7	
2<3	4-10	• 1	.3	• 1	• 1	• •	• 7	.3	- 1	•0		2.1	
	11-21		٠2	• 2	•0	•	٠2	-1	-1	.0		٠,	
	22+	.0	•0		•	.0	.0	:	.0	.0		.1	
	TOT #	.3	.6	.3	•2	• •	.9	.5	. 2	.0	.2	3.7	
	0-3	.3	•2	•2	.3	.5	. 5	.1	. 2	•0	1.1	3.4	
5<10	4-10	. 6	1.3	•7	.6	1.5	2.5	1.*	1.0	•0		9.7	
	11-21	.1	٠2	•1	•	.5	1.1		.2	.ç		3.0	
	22+ TOT %	٠0	0	. •	0	,•3	.,3	2.6	1.5	•0		10.5	
	10. *	.9	1.7	1.1	1.0	2.7	4.4	2.0	1.5	•0	1.1	10.0	
	0-3	1.6	1.6	1.4	1.2	1.0	1.0	1.4	1.7	.0	9.5		
10+	4-10	4.0	5.9	2.1	2.0	6.7	13.9	8.2	4.0	•0		46.7	
	11-21	• •	1.2	.3	• 1	1.6	4.0	1.6		,0		10.1	
	22+	.0	••0	3.8	0	9.4	19.8	11.3	4.6	:8		78,5	
	TOT S	6.7	0.7	3.8	3.2	7.4	17.5	11.5	•••	•0	9.5	70.5	
	INT L'BS												210
١	OT PCT	7.3	11.0	5.2	4.5	12.0	75.2	14.0	8.5	.0	10.9	100.0	

OCTOBER

PERIODS	(PRIMARY)	1920-1972
	(DVER-ALL)	1855-1972

TABLE 10

AREA 0006 NATUNA ISLAND 3.6N 107.0E

# PERCENT FREQUENCY OF CEICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NF <5/8 BY HOUR

HOUR (GHT)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	2.6	3.9	10.7	5.8	1.6	1.0	. 3	•6	26.5	73.4	308
06509	.9	.3	1.5	7.9	13.1	5.5	2.0	.3	. 3	. 3	32.1	67.9	343
12615	.0	.4	.9	9,9	10.8	6.0	2.6	.0	.4	•4	31.5	66.5	232
18621	.5	.5	.9	7.2	14.0	5.4	1.8	.5	.5	.5	31.2	68.8	221
TOT	4	3	17	78	134	63	22		4	5	334	770	1104

TABLE 11

TABLE 12

		PERCENT	FRPQUEN	CY 4\$91	( (NM )	BY HOUR	1	CUMULAT					VSBY (NM) PUCH YBCC	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
€0300	• 2	.2	.4	2.5	16.6	80.1	513	00203	•0	2.7	9.0	19.4	71.6	299
90360	.1	.1	1.2	2.9	15.5	80.1	485	90360	.9	2.7	13.0	20.8	66.3	332
12615	.2	.0	.5	6.2	19.0	74.1	436	12615	•0	1.6	14.6	19.6	65.8	219
18621	.4	.0		3.6	15.6	79.8	525	18621	.5	2.0	12.5	22.5	65.0	200
TOT PCT	.2	.1	15	79 3.7	356 16.5	1702 78.6	2159 100.0	TOT PCT	.4	25 2.4	127 12.1	215	70 <b>8</b> 67.4	1050

TABLE 13

TABLE 14

				•		•														
	PERC	ENT FR	EOUENC	Y OF R	ELATIV	E HUMIC	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUEN	Y OF 1	IND DI	RECTIO	N BY T	EMP	
TEMP 7	0-24	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREG	N	NE	E	SE	\$	SW	Ħ	NW	VAR	CALM
90/94	.0	.0	.0	•2	1.1	.3	.2	•0	18	1.8	•0	.2	.0	.0	.3	.5	.5	.1	.0	
85/89	.0	.0	.0	.0	3,3	10.3	1.9	.7	159	16.3	2.2	1.5		. 8	2.4	4.8	1.7	1.2	.0	1.8
80/84	.0		.0	•0	1.7	32.7	31.4	7.4	715	73.2	4.5	10.6	5.5	3.4	8.5	15.6	10.4	5.1	•0	9.0
75/79	.0	.0	.0	•0	.0	.7	4.2	3.6	83	8.5	. 3	.7	.5	.5	1.1	2.7	1.6	i.i	.0	.1
70:74	.0	-0	.0	•0	.0	.0			2	. 2	.0	. 0	.0	.0			·.i	1	.0	
TOTAL	0	0	0	2				116	977	100.0	• •		• • •	• •	• •	• • •	••	• •	- •	• • •
PCT	.0	•0	•0	• 2		44.0			• • •	•••••	6.0	13.0	6.8	4.6	12.3	23.5	14.3	4.3	.0	11.3

TABLE 15

TABLE 16

	HEANS,	EXTREME	ES AND	PERCEN	ITILES	OF TE	MF (DE	G F) I	AUGH Y		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIK	BA HDA	R
HOUR (GMT)	XAK	998	95%	50%	51	1 %	MIN	HEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
€0300 €0300	91 94	88 91	86 88	82 83	70 78	75 75	72 72	82.2 83.3	#28 1031	E0300	•0	.0	15.2	43.1 52.3	45.3	10.6	01 77	274 310
12215	90 88	86	84	82 82	79 79	76 75	74 70	81.7 81.4	533 734	12615 18621	•0	•0	2.7	46.2 33.5	39.4 47.7	11.8	81 82	221 218
107	94	90	87	62	78	75	70	42.3	2926	161	0	2	62	455	384	120	80	1083

PERIOD: (PRIMARY) 1920-1972 (OVER-ALL) 1855-1972

TABLE 17

AREA 0006 NATUNA ISLAND 3.6N 107.0E

		Teu85017005	 	 	 		
PCT PYEG OF	WIK			DICTURRENCE		PRECIPITATIONS	

AIR-SEA TMP DIF	69 72	73 76	77 80	81 6=	85 88	89 92	>92	TOT	¥ FÜG	#0 F06
11/13	٠.	.0	.0	.0	.0	. 1	.0	1	.0	.1
9/10	.0	.0	.0	• 0	٠.	.1	.0		.0	.1
7/8	.0	.0	.0	.3	.0	. 3	. c	1 9 3	.0	1.5
	. 0	.0	.0	.0	. 1	. 1	.0	3	. 0	
6 5	.0	•0	۵	. 3	.7	. 3	.1	23	.0	1.5
4	.0	• 0	.1	. 9	1.9	. 8	.0	55	.0	3.7
3	.0	•0	.0	. 3	. 9	. 1	.0	21	.0	1.4
2	.0	•0	.1	3.6	3.9	. 1	.0	118	, 0	7.9
ĭ	.0	• 0	.0	3.3	1.9	•0	·ŏ	77	.1	5.1
3 2 1	.0	•1	.5	15,5	2.5	.0	.0	275	.1	18.4
-1	.0	•0		10.7	. 7	.0	٦.	166	.0	11.1
-ž			1.9	18.4	. 6	i	ò	315	.0	21.1
-3	•0	•0	2.1	6.0	. 2	•0	.č	124	.0	8.3
-4	.0	• 2	4.2	5,7	•1	•0	.0	151	.0	10.1
-5	č	• 2	3.2	2	. i	.0	.ŏ	84	.0	5,6
-6	.0	•1	1.1	.,3	.0	.0	.0	24	.0	1.6
-7/~8	ii	.3	1.8	įź	·ŏ	.0	ě	36	.0	2.4
-9/-10	.0	·i	1.1	.5	.5	.0	.ŏ	4	.0	';3
-11/-13	:1	.;		.5	ě	.0	:0	5	.0	:3
TOTAL	. 5	• • •	23%	••	204	•0	.0	,	.0	1490
TOTAL	٤	21	237	1002	*04		•	1400	- 4	1440
				1005		31		1492		•• •
PÇT	- 1	1.4	15.4	67.2	13.7	2.1	.1	100.0	. 1	99.9

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

								, 4000							
				PC	T FREQ O	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HFIG	HTS (FT)			
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1+3	4-10	11-21	NE 22 <b>-33</b>	34-47	48+	PCT	
<1	i.i	.0	.0	.0	.0	. 0	1.1	. 5	1.4		•0	•0	.0	2.1	
1-2	.4	2.4	. 3	.0	.0	•0	3.1	1.1	5,2	1.6	.0	•0	.0	7.9	
3-4	.0	.6	.4	•0	.0	•0	1.0	.0	4.1	1.6	.0	•0	. 0	3.8	
5-4	.0	.0	. 2	. 0	.0	•0	,2	.0	,5	.1	•0	•0	•0	.7	
7	.0	.0	.0	•0	.0	.0	.0	.0	.0	. 3	•0	•0	.0	. 3	
8-9	.c	•0	•0	• 0	.0	•0	.0	.0	.0	.0	• 0	• C	.0	•0	
10-11	.0	.0	•0	.0	•0	•0	.0	.0	•0	. (1	•0	. (,	,0	•0	
12	.0	•0	•0	•0	• 0	-0	.0	.0	.0	•0		• 0	.0	•0	
13-10	.0	.0	•0	•0	.0	•0	•0	.0	• 0	.0	•0	•0	.0	•0	
17-19	.0	.0	.0	•0	•0	.0	•0	.0	•0	•0	•0	•0	.0	•0	
20-22	٠.	.0	•0	•0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0	
23-25	.0	.0	•0	•0	.0	•0	•0	•0	.0	.0	• 0	*0	.0	•0	
26-32	.0	•0	•0	•0	.0	•0	•0	•0	.0	.0	•0	• 0	.0	•0	
33-46	.0	•0	•0	.0	•0	•0	•0	,0	•0	•0	٠0	• 0	•0	•0	
41-48	.0	•0	• 3	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
49-60	.0	.0	•0	•0	•0	•0	•0	.0	.0	•0	•0	•0	.0	•0	
61-70	.0	.0	•0	•0	.0	•0	•0	٠,	•0	•0	•0	•0	:0	•0	
71-86	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0		•0	
87+	.0	.0	•0	•0	•0	•0	.0	_ • 0	•0	.0	•0	•0	•0	•0	
TOT PCT	1,5	3.0	.8	•0	•0	•0	5.3	1.6	9.4	3.6	•0	•0	•0	14.7	
				E							SE				
HGT	1. ^	4-10	11-21	22-33	34-47	46+	PCT	I-3	4-10	13-21	22-33	34=47	48+	PCY	
<1	. 9	. 3	•0	.0	.0	.0	1.2	,3	. 3	.0	.0	•0	.0	. 6	
1-2	.7	2.7	. 5	.0	.0	.0	3,8	, 3	2,0	.3	.0	.0	.ò	2.6	
3-4	. 3	.5	.0	.0	.0	.0	.7	.0	.7	. 3	.0	•0	.0	1.6	
5-6	.0	.3	.2	.0	.0	٠0	. 5	.0	•0	.3	• 6	•0	.0	.3	
7	.0	.0	•0	.0	.0	•0	.0	• >	.0	.0	.0	•0	.0	•0	
8-9	.0	.9	•0	•0	.0	•0	•0	•0	,0	•0	•0	•0	•0	•0	
10-11	.0	.0	•0	•0	•0	•0	.0	•0	•0	.0	•0	•0	.0	•0	
12	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	
13-16	•0	.0	•0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	
17-19	.0	.0	•0	.0	.0	•0	.0	•0	.0	•0	•0	•0	.0	•0	
20-22	•0	•0	•0	•0	•0	•0	•0	•0	٠0	•0	•0	•0	•0	•0	
23-25	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	
26-32	•0	•0	•0	•0	• 0	•0	۰0	•0	.3	•0	• 0	•0	•0	•0	
33-40	.0	•0	•0	•0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0	
41-48	•0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
49-60	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	• 0	•0	•0	
61-70	.0	-0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	
71-86	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	
87+	0	.0	•0	•0	•0	•0	0	•0	₹.0	•0	•0	•0	•0	0	
TOT PCT	1.9	3.6	.7	•0	•0	•0	6.2	,6	3.1	. 8	•¢	•0	.0	4.4	

PAGE 454

PERIOD	1000		1963-	070					OCTOB	ER							
FER.100.			1703*	1912				TABLE	18 (6	CNT)				AREA	0006	NATUNA 6N 107	ISLAND
				90	T FRED D	F WIND	SPEED	(KTS)	AND D	IRECT	1104	VERSUS S	SEA HEIG	HTS (FT	,		
HGT	1-3	4-10	11-21	5 22-93	34-47	4.							SW				
<1	0	1.2	.0	.0		48+	PCT			-3	4-10		22-33	34-47	48+	PCT	
1-2	š	4.2	.7	.0	.0	.0	1.2			. 8	2.4		•0	•0	.0	3.2	
3-4	.6	1.8	1.0	.0	.0	.0	5.3 2.7			. 8	7.0		•0	•0	.0	9.2	
5-6		2	•2	.0	.0	.0	4			•0	2.5		.0	•0	.0	4.9	
7		.5	.0	.0	.0	.0				.0	.0	.,3	•0	•0	.0	. • 9	
8-9	.0		•0	.0	.0	•0	.0			.0	.0		.0	•0	.0	1.0	
10-11	.0	.6	.0		č	.0	č			ċ	.0		•0	•0	•0	•0	
12	.0	.0	ě	.0	.0	.0				.0	ěŏ		.0	•0	.0	•0	
13-16	.0	ij	.0	.0	ŏ	.0				.0	ŏ		.0	•0	•0	•0	
17-19	.0	.0	.0	.0	.0	.0	·ŏ			ŏ	ŏ			•0	.0	•0	
20-22	. 0	.0	•0	•0	.0	.0				ŏ	.0		.0			•0	
23-25	.0	.0	•0	.0	.ŏ	.0				ŏ	ŏ		.0	•0	.0	•0	
26-32	.0	.0	.0	•0	.0	.0				ŏ	ě		:0	.0	:0	•0	
33-40	.0	.0	.0	•0	•0	•0				.0			.0	•0			
41-48	.0	.0	.0	.0	.0	.0				ŏ	.č		.0	•0	.0	•0	
49-60	.0	.0	.0	.0	.0	•0	.0			ō		.0	.0	•0	.ŏ	•0	
61-70	.0	.0	•0	•0	.0	.c	.0			. 0	.0		.0	.0		•0	
71-86	.0	.0	•0	.0	.0	.0	.0			ò	.0	.0	.0	.0		•0	
67+	.0	.0	•0	•0	.0	.0	.0			.0	.ŏ		.ŏ	.0	.ŏ	.0	
TOT PCT	.5	7.4	1.9	•0	•0	•0	9.7			. 6	12.6	5.1	:ŏ	.0	.0	19.3	
				w									Nie				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		١.	-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	3.9	.0	.0	• 0	.0	4.6			. 0	.2		.0	.0	.0	1.2	PCI
1-2	1,5	5.7	.7	.0	.0	.0	7.9			. 2	2,3	1.1	.0	.0	.ŏ	4.6	
3-4	•0	1.7	1.3	.0	.0	•0	3.0			ō	1.8	i.i	.ö	.0	.0	2.9	
5-6	•0	.7	•0	•0	.0	.0	7			, ö	. 3		.3	ĕ	.ŏ	1.1	
7	.0	.0	.3	•0	.0	.0	. 3			. 0	.0	.0	.6	.0		*.6	
8-9	.0	.0	•0	•0	.0	•0	.0			.0	.0	.0	.0	•0		.0	
10-11	.0	•0	•0	•0	.0	•0	.0			.0	.0	.0	•0	•0	ŏ	.0	
12	•0	.0	•0	.0	•0	•0	.0			• 0	.0	.0	•0	•0	.0	.0	
13-16	•0	.0	•σ	•0	.c	.0	•0			٠.	.0	.0	.0	.0	.0		
17-19	•0	.0	•0	•0	•0	•0	.0			•0	.0	.0	• 0	•0	.0	.0	
20+22	•0	•0	•0	•0	.0	•0	•0			.c	•0	.0	•0	•0	.0	•0	
23-25	۰.0	.0	•0	.0	.0	•0	•0			•0	•0	.0	.0	•0	, ŏ	.0	
26-32	•0	•0	•0	•0	.c	•0	•0			•0	•0	.0	•0	•0	.0	•0	
33-40	•0	•0	•0	•0	.0	•0	•0			• 0	•0	•0	•0	•0	.0	.0	
41-48	•0	•0	•0	•0	.0	•0	•0			.0	•0	.0	•0	•0	.0	. 0	
49-60	.0	.0	•0	•0	.0	.0	•0			.0	.0	.0	.0	•0	, ŏ	.0	
61-70 71-86	.0	.0	•0	•0	•0	•0	•0			•0	•0	.0	•0	•0	.0	.0	
71=86 87+	.0	•0	•0	•0	•0	• 0	•0			•0	.0	•0	•0	• 0	.0	.0	
		0	• 0	•0	•0	•0	•0			•0	•0	.0	•0	•0	.0	•0	
TOT PCT	2.1	12.0	2.3	•0	• 0	.0	16.4		2.	• 1	4.7	2.7	. 3	• 0	• 0	9.8	85.9

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
€1	19.6	9.9	.0	.0	.0	.0	29.6	OBS
1-2	7.1	31.1	6.4	ő	.0	.0	44.0	
3-4		11.5	7.9	ŏ	.0	.0	19.6	
5-6		2.6	1.8					
77				.3	•0	.0	4.6	
	•0	•0	1.5	•0	•0	.0	1.5	
8-9	•0	•0	•0	.0	.0	٠,0	.0	
10-11	•0	•0	•0	.0	.0	•0	•0	
15	•0	•0	.0	.0	.0	.0	.0	
13-14	.0	•0	.0	,0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.ō	
20-22	.0	.0	.0	. σ	.0	.0	.č	
23-25	.0	.0	•0	ō	•0		ŏ	
26-32	.0	.0	.0	ŏ		.ŏ	.ŏ	
33-40	.0	.0	ŏ	ŏ	.ŏ	.ŏ		
41-48							•0	
49-60			•0	•0	•0	•0	•0	
	•0	•0	•0	•0	•0	•0	.0	
31-70	.0	• 0	•0	•0	.0	•0	•0	
71-86	•0	•0	•0	•0	.0	.0	.0	
87◆	•0	.0	•0	.0	.0	.0	.0	
TOT PCT	27.0	55.1	17.6	.3	•0	•0	100.0	392

PERIC	10: (0)	ER-ALI	.) 194	9-1972	!				TABLE	19											
					PERCENT	FRE	QUENCY 0	F WA	VE HEI	GHT (F	7) VS	WAVE P	ERIOD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	50-55	23-25	26-32	33-40	61-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6_	9.5	31.2	18.5	3.1	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	٠.	.0	.0	.0	.0	499	HGT
6-7	•1	3.0	5.6	4.1	1.2	- 1	•0	.0	•0	.0	:0	.0	.0	.0	.0		.0		.0	122	•
8-9	• 1	.7	1.2	.5	.5	.0	•0	.0	.0	.0	: 6	.0	.0	.0	.0	.ŏ				25	7
10-11	•0	•1	.5	.1	.1	.2	٠Ò	.0		.0	.0	•0		.0		.ŏ		•0	٠,٥	23	
12-13	•0	•0	-1	.õ	•0	•0	٠ŏ	.0		.ŏ		.0	ö				•0	.0	.0		?
>13	.0	-0	.0	.0	.0	.0	•0	·ŏ			iŏ			•0	•0			•0	9.0	1	3
INDET	13.9	2.4	1.0	. 9	.ŏ	.0	.0				ö		•0	.0	•0	.0	•0	-0	•0	. 0	
TOTAL	189					•••		•0				•0	.0	.0	•0	.0	•0	٠,	•0	145	1
PCT	23.6	300 37.5	224	70 8.7	15		.0	.0	.0	.0	.0	.0	. 0	0	.0	0	0	0	0	801	2

NGVEMBER

PERIOD: (PRIMARY) 1922-1972 (OVER-ALL) 1856-1972

TABLE 1

AREA 0006 NATUNA ISLE,0 3.5N 107,1E

PERCENT F	REQUENCY	O.F	#SATHER	DCCURRENCE	27	MIND	CIRCTION

											-	-			
			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO CIR	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HEUR	THOR LTNG	FOG WO PCPN	FOG 40 PCPN PAST HR	SMOKE	SPRAY BLHG DUST BLHG SNOW	ND SIG HEA
N	3.3	2.0	1.5	.0	•0	.0	.0	6.6	4.1	1.4		.c	.0	.0	87.6
NE	4.6	2.4	1.5	.0	•0	.0	•0	7.9	3.8	1.2	.0	.0	. 2	• 2	86.8
ε	4.1	. 4	3.0	.0	•0	.0	.0	7.5	5.1	1.6	.0	ŏ		.0	85.8
SE	7.0	3.5	2.2	.0	•0	.0	•0	12.3	7.5	2.2	• 0	.0	.0	•0	78.1
S	8.8	1.8	.7	.0	•0	.0	٠.	10.6	7.9	3.2	.0	.0	, a	•0	78.3
Sw	12.2	2.0	1.7	.0	•0	.0	•0	15.9	2.7	2.4	. 3	.0	. 7	•0	78.0
W	9.5	3.1	2.3	.0	.0	.0	•0	14.2	7.4	1.4	. 4	.0	.0		76.7
NW	7.3	3.7	. 9	.0	•0	.0	.0	11.9	3.3	·i	.7	.0	.0		84.0
VAR	.0	.0	.0	.0	•0		.0	.0	.0	.0	.0	ŏ	.0	ŏ	, o
CALM	.0	1.1	.0	.0	•0		•0	1.1	.0	1.1	.0	•0	2.2		95.6
TOT PCT	5.9 1504	2.3	1.5	.0	•0	.0	•c	9.4	4.3	1.5	.2	.0	. 3	•1	84.4

TABLE 2

#### PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			0	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	4ENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG HO PCPN	FOG NO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00803 06809 12815 18821	5.1 7.3 6.4 5.4	1.5 2.7 1.7 4.0	1.0 1.1 2.9 1.1	.0	••	•0	•0	7.5 10.7 10.4 10.2	6.1 3.7 3.8 3.4	.2 .5 1.4 4.2	.2 .0 .3	.0	.2 .0 .6	•0 •5 •0	85.6 85.2 83.5 81.6
TOT PCT TOT UBS:	6.1 1548	2.5	1.5	.0	•0	.0	•0	9.7	4.3	1.5	•5	•0	.3	•1	84.1

TABLE 3

# PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

										- '							
	• •		ND SPE				-nT							(GHT)			
WND DIR	0-3	4-10	11-21	72*33	34-47	48+	TOTAL DBS	FREQ	MEAN SPD	00	03	06	09	12	15	18	51
N	2.1	11.9	3,4	. 3		.0		17.8	8,1	16.9	16.8	17.7	19.5	16.7	22.0	17.1	15.1
NE	2.5	14.9	6.5	. 3	• 0	• 0		24.2	8.8	25.4	22.5	24.8	25.3	26.0	22.9	22.9	20.6
E	1.4	5.0	. 9	.1	)	.0		7.4	7.1	7.9				6.7	3,9	10.2	7.4
\$E	.9	2.8	. 5			•0		4.1	6.3	4.5				3.0	5.9	1.8	6+2
Š	1.6	4.8				.0		7.3	6.2	7.9				4.8	10.0		10.1
Š₩	2.0	7.4	1.3			.0		10.9	7.2	12.1				12.0	10.4		10.6
¥.	1.9	6.0				•0		9.6	7.3	9.6							
Ñw	2.2	6.3	1.8	i.		.ŏ			7.1					.8.6	6.4	5.7	10.9
								10.3		6.9	13.3	10.9	11.0	12.2	14.0	9.8	9,3
VAR	۰.	.0	.0	•0	.0	•0		.0	•0	•0	•0	•0	•0	•0	.0	.0	•0
CALM	8.4							8.4	.0	8.7	6.2	7.3	6.3	8.0	2.5	13.1	9.7
TOT CBS	655	1672	478	31	0	٥	2836		7.0	472	130		315	440	118		339
TOT PET	23.1	59.0				• ŏ		100.0								100.0	

TABLE 3A

WND DIR	0+6	WIND 7-16	SPEED 17-27	(KNGTS) 28-40	41+	10TAL OBS	PCT FREQ	MEAN SPD	00 03	HBU# 06 09	(GMT) 12 15	10 21
N	7.9	8.6	.1.2	.0	.0		17.8	6.1	17.4	18.3	19.4	16.2
NE	9.0	13.2	1.9	.1	.0		24.2	8.8	24.8	25.0	25.4	21.8
2	4.1	3.1	.1	. 1	.0		7.4	7.1	7.8	4.5	6.5	1.9
3E	2.8	1.3	, i	. o	.0		4.1	6.3	4.5	4.5	3.6	3.4
5	4.5	2.0		.0	.0		7.3	6.2	8.3	6.5	5.9	1.6
SW	5.6	4.8	. 4		.0		10.9	7.2	11.0	11.6	11.7	9.3
W.	5.0	4.2		•	.0		9,6	7.3	9.0	9.7	• i.i	10.2
ÑW	5.6	4.4	. 3	.0	.0		10.3	7.1	6.3	10.9	12.5	9.6
VAR	.0	.0		ě								
CALM	8.4	•••	• • •	• • •	•••							
TOT DBS	1500	1204	126		•	2436	8,4	º	8.1	6.9	6.8	11.6
				•	٥	2430		7.0	602	932	558	744
'OT PCT	52.9	42.5	4.4	•2	•0		100.0		100.0	100.0	100.0	100.0

٠.	. 1	٧	£	٠

					`	U15755					
PERICO: PRIMARY: 1922-						749bF 4				49 E 4	0006 NATUNA ISLAND 3.5% 107.15
		<b>9</b> € €	CENT 4GE	FREQU	ENCY OF	-: NO 50	EE3 87	40UR (3	;=+)		
HS.	A CALM	1-3	4-10		SPEE2 (		45.	484' E	267 FREG	1314. 385	
006 064 126 196 +3	9 6.9 5 6.8 21 11.6	14.3 13.7 15.5 15.0 415	59.8 59.1 55.8 56.2 .572 59.7	10.8 19.0 17.0 13.7 478	1.3	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5.9 .0 7.4 10 7.3 10 5.4 .0 7.0	0.0	602 932 958 744 28,4	

			₹.	ABLE 5								•:	SLE A					
5	PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION							PERCENTAGE FREQUENCY OF CELLING HEIGHTS (FTJNH 34/8) AND OCCUPRENCE OF NH 65/8 BY MIND DIRECTION										
HUD DIR	\$ <b>-</b> ?	3-4	1-7	8 & nBSC0	T074.	#44 20243 83V03	coo ••9	150 290	10^ 590	405 999	1000	2000	3500 4999	5000 6499	0500 7970	8000-	4m 45/8 444 mgt	
N	ž.,	3.9	7.5	2.0		5.2	•1	,^	٠,٠	1.4	2.0	1.0	• }	• 2	•0	• }	12.5	
٧E	3.4	6.7	12.0	6.2 1.3		5.3	, 3 , 2	- 1		2.4	4.:	2.0	.3	• • •	•0	: 2	5.6	
ş e	.3	. 5	1.5	4		0.1	• :	•		.7		. 2	•	• 0	• 0		. 9	
Ş	. 8	1.5	2.9	2 - 1		5.5	•0	• :	• • •		6	. 3	. 2	• •	• 0	• •	4.5	
S =	• ?	÷.7	4.7	5.6		0+0	• 5	• ?	.,3	: . 3	• • • •	• 5	.3	•;	• :	• • •	5.5	
Ÿ.	1.3	2.1	3.5	2.5		9 + 3 F + 3	• • • • • • • • • • • • • • • • • • • •	:2		1,4	2.1	:•:	.2		• • • •		6.3	
VAR		. 5	• • •	. 0			.5			. 0			.5		.5		.5	
CAL	1.2	:.5	2.5	.7		4.5	.0		.0	. 4	. 5		• :	• >	• 1	. 5	4.4	
TOT 385	124	208	435	233	995	5.4	9	,	29	95	: • 3	. 64	1.3	•	,	•	505	F95
737 767	12.5	2).9	43.2	23.4	100.0				2.0	٠.4	٠., ٠	4.4	4.3	. 6	• 2	. 5	60.8	100.0

TABLE ?

CUMULATIVE PCT FREQ OF SIMULTAMEDUS OCCURRENCE
OF CEICING MEIGHT (NH 34/8) AND VS8V (NM)

;

The state of the s

				V\$84 15#	,			
CEI, ING	⇒ CR	• CR	• DR	- ~Ř	• 3a	≠ CR	■ 38	- 32
(FERT)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
# TR >6500	.7		. 9	. 9	. 9	. 9	.9	
► DR >5000	1.5	1.7	1.7	1.7	3.7	1.7	6.7	2.7
<ul> <li>24 &gt;3500</li> </ul>	2.3	2.4	3.0	3.0	3.0	3.0	3.0	3.0
. OR >2000	8.5	10.8	11.*	11. •	11.4	11.4	11.4	11.4
. CR >1000	10.1	23.5	25,5	25.6	25.6	25.6	25.7	25.7
# 2R >600	22.5	31.4	34.4	34.6	34.8	38	35.0	35.0
■ DR >300	21.9	33.9	37.3	37.7	37.8	37.8	38.0	38.0
• DR >150	23.9	33.9	37.4	37.8	36.0	38.0	38.2	38.2
• CR > 0	12.9	34.2	3/.7	36.3	38.6	38.7	39.0	39,0
TOTAL	246	352	386	344	397	398	401	401
TOTAL NUMBI	82 DF 58	51 102		,	CT FRED	SH C5/8	61.0	

TABÉE TA
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTMS)

0 1 2 3 4 4 5 7 8 385C0 385 1.8 11.7 18.9 19.8 11.9 10.9 10.4 8.7 9.8 .5 1111

N.			í

PERIOD: (PRIMARY)			AREA 0006	NATUNA ISLAND
(OVER-ALL) 1	.856=1972	TABLE 6		3.5N 107.1E

		F	FRCENT	PREC	UF WIN	D DIRE	CTION TH VAR	VS DCC VING V	UKRENCI ALUES	E OR N	IBILI	CURRENC TY	E OF
(NH)		N	NE	E	SE	S	\$#	¥	NW	VAR	CALM	PCT	TOTAL
	PCP		. 2	.0	.0	.0	• 1	. 0	.0	.0	. 0	.3	
<1/2	NO PCP	.0	.1	, i	.0	.0		.0	.0	.0	.0	ii	
	TOT %	•	. 2	, ī	.0	•0	i	.0	.0	.0	.0	14	
	PCP	.1	. 1	•	.0	•0	•0	.0	.0	.0	•0	.2	
1/2<1	NO PCP	.0	.0	.0	.0	•0	.0	.0	.0	.0	•0	.0	
	TOT #	.1	. 1	•	.0	•0	•0	.0	•0	.0	•0	, 2	
	PCP	. 1	. 1	.1	. 1	•1	•	.1	.0	.0	.0	, 5	
1<2	NO PCP	.0	. 1	.0	.0	•0	.0	.0	•1	.0	•0	. 2	
	TOT #	.1	.2	. 1	• 1	• 1	•	.1	-1	•0	•0	,7	
	PCP	.2	. 5		. 1	•1	. 2	, 3	.3	.0	.0	1.7	
2<5	ND PCP	.4	. >	. 3	• 2	• 3	• 2	. 2	• 2	• 9	•0	2,5	
	TOT \$	.6	1.0	. 3	. 3	.5	. 5	. 5	.5	•0	•0	4.2	
	PCP	.3	.8	•	.3	.3	. 6	. 5	. 7	.c	•1	3.7	
5<10	NO PCP	7.1	4.9	1.5	. 8	. 9	1 - 1	1.9	2.2	.0	• 5	15.9	
	TOY \$	2.4	5.7	1.5	1.1	1.2	1.7	2.4	3.0	•0	• 5	19.6	
	PCP	. , 5	. 5	.4	•	•2	.6	, 3	.3	.0	•0	3.0	
10+	NO PCP	14.3	19.1	5.9	2.3	5.2	6.9	5.2	7.7	.0	5.5	71.9	
	TOT &	14.5	19.6	6.4	2.3	5+4	7.6	5.6	8.1	•0	5.5	74.9	
	TOT 085												1503
	TOT PET	17.7	26.8	8.4	3.8	7.2	9.8	8,5	11.0	• 0	6.1	100.0	

TABLE 9

			1						VS W1		Eo		
VSBY (NH)	SPD KTS	N	NE	£	SE	\$	Sw	W	Nii	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	,0	
<1/2	4-10		. 1	.0	•0		•1		.0	.0		.3	
	11-21 22+	.0	•	•0	.0	.0	.0	.0	.0	.0		•	
	TOT \$	.0	.0	:	.0	.0	•0	.0	•0	.0		•	
	101 3	•	.2	•	•0	•	•1	•	•0	•0	.0	,4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	٠0	.0	
1/2<1	4-10	.1	.0	•0	• 0	.0	.0	.0	.0	.0	- •	.1	
	11-21	.0	•	•0	.0	.0	.0	.0	٠.	.0			
	22+	•0			•0	.0	.0	.0	•0	.0		c	
	TOT %	.1	•1	•	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0		.0	.0	.0	.0	.0		.6		.1	
1<2	4-10	.1	•	.0	•	•	.0	.0			•	ž	
	11-21	.0			•	•1	Š	.0	.0			:2	
	32+	.0		•0	.0	.0	.0	•	.0	.0		.1	
	TOT %	.1	.2	•	•1	•1		•	.1	.0	•	.7	
	0-3	.1				•1	-1			.0	.0	.4	
2<5	4-10	.4	.4	• 2	•1		. 2	.2	.2		•••	2.0	
	11-21	.2	.4	.0		.1	. 2		. ž	.0		1.3	
	22+	.0		•0	.0	.0	.0	.0	.0	.0			
	TOT \$	.7	.9	. 3	.2	.5	.4	.4	.4	.0	.0	3,8	
	0-3	.2	.4	. 2	•1	.4	.5	.2	. 5	.0	.5	2.9	
5<10	4-10	1.2	2.3	:2	. 5		1.0	1.4	1.2	ŏ	•••	8.9	
	11-21	• 7	1.9	.2	.3	. 2		. 6	.5	.ŏ		4.6	
	22+		-1	·	•0	.0	.0	•	.1	.0		. 3	
	TGT %	2.2	4.7	1.2	. •	1.1	1.7	2.2	2.3	. 3	.5	16.7	
	0-3	2.0	2.0	1.2		1.3	1.2	1.1	1.9	.0	8.1	19.5	
10+	4-10	9.9	12.0	4.5	1.9	4.0	5.4	3.1	5.0	.0	•••	47.0	
	11-21	2.4	4.4		7,1	. 4	7.7	.7	1.i	ŏ		11.0	
	21+	.3	.2	•	.0	.0	.1		•	.0			
	TOT \$	14.6	19.1	6.5	2.8	5.7	7.8	5.6	8.0	.0	8.1	78.1	
	TOT OBS	17.7	25.1	8.1	3.9	7.4	10.0	<b>8.</b> 2	10.8	•0	8.7	100.0	2068

NOVEMBER

PERIOD:	(PRIMARY)	1922-1972
	(OVER-ALL)	1856-1972

TABLE 10

AREA 0006 NATUNA ISLAND 3.5N 107.1E

PERCENT	FREQUENCY OF	CFILING	HEIGHTS	(FEET, NH	>4/81	AND
	DCCURRE?	ICE OF N	1 <5/8 BY	HOUR		

HDUR (GPT)	000 149		300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	\$000÷	TOTAL	NH 45/8 Any hgt	TOTAL OBS
00603	.c	.3	4.1	9.5	13.2	10.5	2.0	1.0	.0	.3	40.9	59-1	296
90360	.3	.3	2.8	5.6	13.9	8 + 6	.9	.0	.3	.6	36.4	63.6	324
12615	1.7	.0	1.3	11.2	15.1	6.5	.9	1.3	.4	1.3	39.7	60.3	232
18621	1.4	.0	3.2	6.4	13.2	5.9	1.4	.•	.0	,5	32.9	67.1	219
TOT	8 7	2	31	96	148	87	14	. 7	2	7	403	668	1071

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB1	(NM)	BY HOUR		CUMULAT					(KF) YBZV RUDH YBZC	
HOUR (GHT)	€1/2	1/2<1	1 <2	2<5	5<10	10+	TCTAL CBS	HDUR (GMT)	<150 <50Y£	<600 <1	<1000 <5	1000÷	NH <5/8 AHD 5+	TOTAL OBS
60300	•0	.4	.2	4.3	15.0	80-1	488	00403	۰۵	4.5	10.8	25.9	57.3	286
90360	.6	.2	.6	3.1	14.9	80.6	649	90360	.3	4.2	15.6	23.8	60.6	307
12615	.4	.2	1.0	5.5	19.7	72.3	452	12615	1.8	3.1	18.2	22.2	59.6	225
10621	.6	.0		2.9	17.8	78.2	523	18621	1.4	4.8	14.3	21.4	64.3	210
TOT	•	4	16	.01	352	1650	2112	TOT	8	43	167	242	619	1028

TABLE 13

TABLE 14

	PERCENT PREQUENCY OF RECETIVE HUMIDITY BY TEMP							Y TEMP	TOTAL PCT			PERCENT FREQUENCY OF WIND DIRECTION BY TEMP								
TEMP F	0-29	30-39	46-49	50-59	40-69	70-79	80-89	<b>90-100</b>		FREG	N	NE	E	SE	S	SH	H	Ne	VAR	CALM
90/94	.0	.0	•0	.3	. 2	. 3	.1	•0	,	.9	•2	.4	. 1	•	.2		:0	.0	.0	.0
85/69	.0	.0		• 2		6.4	1.6	.7	105	10.7	1.6	3.6	. 9	. 8	.7	1.0	.7	. 9	.0	. 5
80/84	.0	.0	.0	• 1	1.1	28.4	36.7	7.6	726	73.9	11.6	20.6	7.0	2.6	5.1	7.5	5.1	8.5	.0	5.7
80/84 75/79	.0	.0	•0	•0	.0	1.0	6.1	6.9	138	14.1	2.3	3.6	1.0	4	.7	1.7	1.8	2.2	.0	. 3
70/74	.0	.0	•0	•0	•0	.0	.0	. 4	4	.4	•0	•1	.0	.0	.1	. 2	·.i	0	.0	.0
TOTAL	٥	0	0	6	30	355	437	154	982	100.0		_				•				
PCT	•0	•0	•0	•6	3.1	36.2	44.5	15.7	_		15.9	28.4	9.0	3.9	6.8	10.3	7.7	1:.6	.0	6.5

TABLE 15

TABLE 16

														,,,,,,,	••			
	HEANS,	EXTREME	S AND	PERCE	ITILES	OF TE	P (DE	G F) (	LY HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIHL	BY HOUR	L .
HOUR (GHT)	MAX	994	75%	50%	54	1%	HIN	MEAN	TOTAL GBS	HDUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
£0300	93 94	88 90	85 87	82 82	77 77	75 75	73 72	81.5	602 926	E0300 90360	.0	1.3	2.7 6.8	29.9	30.0	17.0	83 79	264 307
12615	87 88	86 84	84 83	81 81	77 77	75 75	72 72	81.0 60.6	561 749	12615 18621	.0	• •	.9	32.9 30.0	49.8	16.0	83	225
TOT	94	9.6	86	81	7"	75	72	81.4	2838	101	0	6	32	372	450	163	82	1053

PEHIOD: (PPIMARY) 1922-1972 'OVER-ALL') 1856-1972

TABLE 17

AREA 0006 VATUNA ISLAND 3.5% 107.1E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCT (DEG F)

AIR-SEA THP DIF	69 72	73 76	77 80	81 84	85 88	39 92	>72	TOT	¥0G	w0 F06
11/13	.0	.0	.0	.0	. 2	. 1	.1	5 5 7	.0	:3
9/10	.0	• 0	.0	• 1	.0	. 3	.c	5	.0	.3
7/8	.0	.0	.0	. 1	.2	. 1	-1	7	•0	. 5
٥	.0	.0	.0	. 1	.1	. 2	.0	6	.0	1.3
•	.0	•0	.1	. 6	.6	• 1	.0	19	•0	1.3
ě.	.0	.0	.1	1.0	1.1	. 1	.0	33	.0	2.3
à	•0	• 1	.0	.5	. 9	.2	• 0	26	• 0	1.8
ž	.0	.0	.3	4.6	2.3	• 1	.0	104	•0	7.2
ī	.0	.0	.6	2.9	1.2	.0	.0	67	.0	4.7
ō	.0	.0	1.5	16.0	1.7	.0	.0	276	.0	19.2
-ĭ	.0	.1	1.6	7.3	. 3	.ŏ	.ŏ	134	.0	9.3
-2	ž	. i	5.6	1e.9	.î	·ŏ	.ŏ	330	i	22.9
-5	:6	:6	2.2	4.5	. i	.ŏ	š	97		6.5
-4	.ŏ	.4	5.2	6.0	; è	·ŏ	:0	170	ii	11.7
		.5	3.2		.5			75		5.2
-5	٠0		3.4	1.5		•0	٠.			
-6	.0	• 3	1.5	• 4		.0	•0	31	•0	2.2
-7/-8	.0	• 6	1.7	. 3	.0	.0	.0	37	• 0	2.6
-9/-10	.0	. 5	. 3	.0	.0	.0	٠.	11	• 0	. 8
-11/-13	•1	. 1	٠,	.0	.0	.0	• •	2	•0	. 1
-14/-16	.0	- 1	.0	.0	.0	.0	.0	1	•0	.1
TOTAL	4		343		131		2		3	1433
		39		901		16		1436		
PCT	.3	2.7	23.9	62.7	9.1	1.1	.1	100.0	• 2	99.8

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				PC	T FREG D	FWIND	SPEED	(KTS) AND DIREC	1104 V	ERSUS S	EA HEIG	HTS (FT)		
				d							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	484	PCT
<1	5	1.6	•0	•0	.0	.0	2.0	1.7	1.5	.0	.0	•0	.0	3.2
1-2	1.1	7.3	• 2	•0	.0	•0	8.6	٠٠		2.5	•0	•0	.0	10.2
3-4	• 4	1.8	1.3	• 2	• 0	-0	3.8	•1	5.1	5.4	•1	•0	.0	10.7
5-6	• 0	.3	1.1	• 0	.0	• ~	1.4	٥٠	• •	3.9	•0	•0	.0	4.3
.7	.0	•0	.5	•0	.0	٠,	.5	•0	•0	1.0	.5	•0	.0	1.5
8-9	.0	•0	•0	•0	• 0	٠0	•0	•6	.0	.5	•2	•0	•0	•7
10-11	. 3	.0	•0	•0	••	•0	•0	•0	.0	•0	•6	•0	٠٥.	
12	.0	.0	•0	•0	.0	.0	•c		•0	.0	'n	•0	.0	.0
13-16	.0	•0	•0	•0	••	•0	2.	•0	.0	•0	•e	•0		•0
17-19	٠,	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	•0
20-22	.0	.0	•0	•0	••	• 0	•0	.0	٥,	•0	•0	•0	:0	.0
23-25	.0	.0	•0	•0	• 5	٠0	•0		•0	•0	•0	•0	:0	
26-32	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0		.0	•5
33-40	•0	•0	•0	•0	•0	•0	•0		,0	•0	•0	•0		•0
41-48	.0	•0	•0	•0	•0	•0	•0	•0		•0	• •	•0	•0	•0
49-60	.0	.0	•0	•0	0	•0	• 2	•0	•0	.0	×0	• • •	.0	•0
61-70	.0	.0	•0	•0	.0	•0	•0	•0	•¢	•0	••	•0	٠.	• ¢
71-36	٠.	.0	•0	.0	.0	•0	•6	•0	•0	•0	•0	•0	•0	• • • • • • • • • • • • • • • • • • • •
87+	0	0	•0	•0	•0	•0		2.6	13.9	13.2	•0	•0	•0	0
TOT PCT	1.9	11.0	3.3	• 2	•0	•0	16.4	2.0	13,7	13.2	.9	•0	.0	30.6
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	. 2	1.0	•0	•0	.0	•0	1.3	•0	• 2	•0	•0	•0	٥,	.2
1-2	.7	3.6	1.1	.0	.0	۰.	5,4	.4	1.8	.1	.0	•0	.0	2.3
3-4	.0	2.7	1.0	. 2	.0	.0	2,4	•1	.2	.5	.0	•0	.0	
5-6	.0	.4	•0	•0	.0	.0	•4	•0	•0	:2	•0	•0	0	.2
7	.0	.0	•0	.2	.0	٠0	•2	•0	•0	•0	•0	• •	.0	•0
8-9	.0	.0	•0	•0	•0	-0	•0	•0	•0	•0	•0	• 0	.0	•0
10-11	.0	.0	•0	•0	.0	•0	•0	•0	• 7	.0	•0	+0	.0	•7
15	٠.	۰,0	•0	• • •	.0	• 9	•0	•0	•0	.0	.0	•0	• 0	.0
13-10	.0	.9	•0	•0	٠.	•0	•0	•0	•0	•0	•0	•0	.0	۰۵
17-79	.0	• 1	•0	•0	.0	.0	•0	•0	•0	•0	•6	•0	.0	•0
20-22	.0	.0	•0	• 3	•0	•0	.0	•0	•0	•0	•0	•0	٠,	•0
23-25	.0	.0	•0	.0	.0	.0	•0	•0	•0	.0	•0	•0	٠.٥	.0
26-32	.0	.0	+0	•0	•0	•0	•0	•0	:0	•0	•0	•0	.0	•0
33-40	.0	.0	•C	•0	٠ç	•0	•0	•0		• • • •	.0	•0	• 0	.0
41-48	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0
49-60	.0	٥,	•0	• 0	•0	•0	•0	•0	.0	•0	•0	•0	.0	•0
61-70	.0	.0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
71-86	.0	.0	•0	•0	•0	.0	•0	•¢	•0	•0	.0	•0	.0	ن٠
87+	.0	_, _	•0	• 0	•0	•0	0	•ū	.0	•0	•0	•0	:0	.0
TOT PCT	1.0	7.7	2.0	.4	•0	•0	11.0	, 5	2.9	, 8	•0	•0	٠,	4.5

								1	NOVER	BER				1051	0006 N		
PER1001	COVE	R-ALL)	1903-1	972				TABLE	18 (	CONTI				AKEA		N 107	
				₽¢	T FREG OF	WINC	SPEED	(KTS)	ANP	DISEC	TION	VERSUS S	EA HEIG	HTS (FT)			
_				5									SW				
HGT	1-3	4-10	11-21	22-13	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1 1-2	.2	2.4	.0	•0	.0	.0	3.4			. 3	2,5		•0	•0	.0	3.9	
3-4	ž	1.2	.2	.0	.5		1.6			ž	1.6		::	.0	.ŏ	1.6	
5-6	ŏ	7.0	:4	.ŏ	.0	.0	.4			ě	. 2		.ŏ	.0			
7	.0	.0	•0	.0	.0	.0	.0			.0	.с	. 5	. 2	•0	.0	.7	
8-9	.0	.0	•0	.0	•0	.0	.0			•0	.0	.0	.0	•0	.0	• C	
10-11	.0	.0	•0	•0	.0	• C	•0			•0	.0		.0	•0	•0	•0	
12	.0	.0	•0	.0	•0	.0	.0			• 0	•0		.0	• 0	.0	•0	
13-16	.0	.c	•0	.0	•0	•0	•0			• 3	.0		•0	•0	•0	•0	
17-19	.0	.0	•0	.0	•0	• • •	.0			• ^	•0		•0	•0	•0	.0	
20-22	٠.٥	•0	• 9	.0	•0	.0	.0			0.0	0.		.0	.0	.0	.0	
23-25	.0	.0	9.	•0	.0	.0	•0			.0	.0		.0	.0	.0		
26-32 33-40	.5	.0		.0	.5	.0	.0			ő			.0	.0	:5	.0	
41<48		.0	• 6	.0		.0	.0			.0	ŏ		.0	.0	.c	ě	
9-60	.0	.0	.0	.0	·c	٠٥	.0			.0			. 5	•0		.0	
61-70	.c	.0	.0	.0		.0	.0			. 0	, 0			.c	.0	.0	
71-86	.0	.0	.0	.0	. 0	.0	.0			• 0	.0		.0	•0	.0	.0	
87+	. 0	.0	.0	.0		.0	.6			• ^	,0		.0	•^	. 0	.0	
TOT PCT	1.0	4.1	1.1	•0	•0	•0	6.1			1.1	4.3	1.9	.2	•0	•0	7.5	
				¥									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCT			1-3	4-10	11-21	22-13	34-47	48+	PCT	PCT
<1	, ř	.0	•0	•0	•0	•0	.7			. 5	• 0		0	• 0	•0	. 5	
1-2	.7	2.2	.7	.0	.0	٠.	3.5			.3	2.7		.0	.0	.0	3.9	
3-4	٠.	.7	. 8	•0	•0	•0	1.5			•0	1.5		•0	• 0	• 0	2.3	
5-6	.0	.0	.5	•0	•0	•0	. 5			•0	• • •		•0	•0	.0	1.4	
7,	•0	.0	•2	•0	•0	•0	•?			•0			.0	•0	•0	.5	
8-9	-0	.0	•0	•0	•0 •0	•0	•0			.0	.0		•0	•0	•0	•0	
10-11 12	.0	.0	•0	.0	.0	.0	.0			.0			.0	•0	:0	.0	
13-16	.0		.0		.0	.0				.0			•0	•0		.0	
17-19	.0		•0				.0			. 6			.0			.0	
20-22	.0	.0	•0		• 5	• 0	.0			.0	.0	٥. د	.0	•6	.0	•0	
23-25	.0	.0	•0	•0	.0	• 0	.0			.0	• •		.0	. 0	.0	.0	
26-32	.0	.0	.0	•0	•0	•0	.0			.0	.0		.0	•0	.0	•0	
33-40	.0	.0	•0		.0	•0	•0			•0	• 0		•0	•0	•0	•0	
41-48	.0	.0	•0		.0	•0	.0			•0	• 9		•0	•0	.0	•0	
49-60	.0	.0	•0		•0	.0	•0			•0	• 9		•0	•0	٠.	•0	
61-70	.0	.0	•0		• • •	•0	.0			•0	• 9		•0	•0	.0	•0	
71-86	.0	.0	•0		.0	•0	•0			.0	• 0		•0	•0	•0	•0	
97+ TOT PCT	1.3	.0 2.6	2.2		.5	•0	0.4				3.		•0	•0	•0	8.7	90.9
101 FC1		2.0	2.2	•0	•0	••	0,4			••	•	. 2.00	••	•0	••	3.,	

	CIND	SPEGO	(KTS)	VS SEA	HEIGHT	(FT)		
нот	0-3	4-10	11-21	22-33	34-47	484	PCT	707 085
<1	14.5	4.9	.0	.0	.0	.0	19.4	
1-2	5.9	29.0	0.8	. 0	.0	.0	41.0	
3-4	.7	13.8	10.5	. 5	.0	.0	25.5	
5-6	.0	1.6	7.5	.0	.0	.0	9.1	
7	.0	.5	2.1	. 9	.0	.0	3.5	
8-9	.0	.0	.5	. 2	.0	.0	7,7	
10-11		.7	.0	, ñ	.0	.0	.7	
12	.0	.0	•0		.0	.0	.0	
13-16	.0	.5	.0	,0	.0	, n	č	
17-19	.0	.0	•0	.0			ō	
20-22	.0	.0	.0	.0			.0	
23-25	.0	.0	-0	.0			ò	
20-32	.0	.0	•0				ò	
33-4U	.0	.0	.0				ō	
41-48	.0	.5	.0	.0			.o	
49-60	.0	.0	.0	.0			, ŏ	
61-70	•0	•0	.0				.0	
71-86	.0		.0					
87+	•0	.0		.0			.0	
• • • • • • • • • • • • • • • • • • • •	••	••	• • •	•••	• • •	• • •	••	427
TOT PCT	21.1	50.6	26.7	1.6	•0	•0	100.0	

PERIO	01 (OV	ER-ALL	1 194	9-197	2				TABLE	19											
					PERCENT	FREC	DENCY OF	HA"	VE HEI	GH" (F	r) VS	MYAE D	ERIDD	(SECON	0\$>						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	31-70	71-86	87+	TOTAL	MEAN HGT
<6	7.0	26.4	15.8	3.5	1.3	.4	.4	.1	.0	. 0	:0	.0	.0	0	.0	.0	.0	۰,0	.0	424	2
6-7	.0	3.0	9.1	5.2	2.5	. 4	.6	- 1	.3	.0	:0	• • •	.0	• • •	.0	.9	.0	.0	.0	163	4
8-9	.1	. •	1.9	3.2	1.6	. 6	.3	.5	.0	.1	:0	.0	.0	0	.0	.0	.0	.0	.0	72	5
15-11	. 0	1.0		. 5	.4	.0	- 1	.0	4	.0	:0	.0	.0			.0	.0	.0	.0	25	5
12-13	.0	.0	. 5	.0	.0	.0	•0	.1	.0		:0	.0	.0			.0	.0	.0	.0	5	5
>13	.0	.0	.0	.1	_	.0	•0	.0	.0		000	• 0	.0			.0	.0	.0	.0	1	5
INDET	7.4	1.0	1.2	. 6	.4	.0	•0	•0			:0	.0	.0			.0	.0	.0	.0	82	1
TOTAL	112	250	226	102		ii	11	7	5	ì	0	. 0	Ö		0	Ö	Ö	0	0	772	3
	14 1	32 A	10.3	12.2	4.1	1.4	1.4	. •			:0			٠. ١	- 0	. 0		: 0	-0	100.0	

PERIOD: (PRIMARY) 1923-1972 (OVER-ALL) 1856-1972

TABLE 1

AREA 0006 NATUPA ISLAND 3.5N 107.1E

## PERCENT FREQUENCY OF WEATHER SCOURFENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RÁIN	RAIN SHWR	DRZL	FRZG PCPN	SNOR	OTHER FRZN PCPN	HAIL	PCFN AT OB TIME	PCPH PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLHG DUST BLHG SNBH	
N	3.6	2.6	1.9	.0	.0	.0	.0	6.0	4.1	.4	•0	•0	.7	•0	86.9
NE	3.2	2.1	1.9	.0	.0	.0	.0	7.2	5.3	. 4	•0	.0	. 8	•0	86.2
E	1.3	3.2	2.5	.0	.0	.0	.0	14.0	5,4	.0	.0	.0	.0	• 0	80.6
ŠE	1.1	6.8	4.5	. 9	.0		• 0	12.5	1.1	4.5	.0	. Õ	•0	• 0	81.8
S	5.6	.o	.0	.0	.0		. 0	5.6	4.2	.0	.0	.0	•0	.0	90.1
Š₩	5.9	.0	0.0	.0	.0	.0	.0	9.9	4.0	4.0	•0	.0	4.0	•0	78.2
¥	10.7	.0	.0	.0	.0		. 0	10.7	3.1	.0	.0	.0	.0		86.3
NW	9.4	2.7	. 3	.0	.0		.0	12.>	4.3	1.5	•0	.0	•0	•0	81.4
VAR	.0	.0	.0	٠.	.0	.0	.0	.0	•0		.0	.0	•0	.0	.0
CALM	3,3	6.7	.0	.0	.0		.0	10.0	•0	3,3	.0	Ď	.0	.0	86.7
TOT PCT	4.2 1434	2.4	1.8	•0	•0	•0	•0	8.4	4.6	.6	•0	•0	.7	•0	85.7

TABLE 2

DERCENT	SR"OLENCY	Q#	MEATHER	DECEMBRENCE	RV	HOUSE

			•	RECIPI	TATIO	N TYPE					STHER	HEATHER	PHENDI	HENA	
HOUR (GHT)	RAIN	RÅIN SHWR	DR7L	FR7G PCPN	SNDW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST HOUP	THOR LTNG	FOG 40 PCPN	FOG WO PCPN PAST HR		SPRAY RENG DUST BENG SNOW	
00603 00609 12615 18621	2.9 4.8 3.2 5.6	1.6 2.7 3.5 1.9	2.1 1.2 2.7 1.9	.0	.0	.0	.0 .0	5.3 8.7 9.4 9.3	6.5 4.4 4.1 3.1	.3 .0 1.5	.0	.0	.5 .7 .9	.0 .c .0	86.4 86.2 84.1 86.1
TOT PCT	4.1	2.4	1.9	٠٥.	٠0	٠0	•0	6.4	4.0	.6	•0	•0	.7	•0	65.7

TABLE 3

#### PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w1!	4P 4PE	ED (KN	DTS)								HOUR	(GHT)			
WHO DIR	0-3	4-10	11-21	22-33	34-47	44+	TOTAL DBS	PCT	MEAN SPD	00	03	06	09	12	15	1.8	51
N NE	1.1	14.0	19.5	1.9	:	•0		30.5 43.8	11.5	32.1 43.0	34.4	27.8 46.5	31.0	29.2 43.9	33.6 51.1	28.5	34.6 39.8
E	.6	4.7	1.2	.1	•0	.0		6.6	8.0	7.3	4.8	5.5	4.9	6.7	4.3	6.1	7.7
ŞE	• •	1.0	-1	•0	•0	•0		2.3	5.0	2.1	3.4	1.9	3.1	1.9	1.7	3.0	1.8
S	. 3	1.0	• 2	.0	•0	• • •		1.5	6.0	.,	3,8	1.5		2.2	1.7	1.1	1.4
£ w	.4	1.5	. 2	.0	•0	•0		2.1	6.1	1.8	1.7	2.6	2.6	2.4	2.3	1.3	1.0
H	.5	1.6	. 5	.1	.0	٠٥		2.7	7.2	3.2	.9	2.8	2.8	3.3	1.1	2.2	2 • 1
N⊭	.5	4.3	1.9	. 2	•0	•0		6.8	9.2	7.1	4.5	0.1	7.5	7.3	4.0	5.9	5.5
VAR	.0	.0	.0	• 9	•0	.0		.0	٠0	•0	.0	.0	•0	•0	.0	.0	•0
CALM	3.8							3.8	10.5	2.7	3.4	3.0	5.4	2.8	.0	5,3	6.1
TOT DBS	258	1346	1076	127	1	0	2808		10.5	482	117	600	353	462	87	396	311
TOT PCT	•.2	47.9	30.3	4.5	•	.0		100.0		100.0	100-0	100-0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						Hou	E EGHT	)
WND DIR	0-6	7-16	17-27	24-40	41+	TOTAL DBS	PCT FREQ	HEAN SPD	00 03	06 09	12 15	18 21
N	5.5	18.5	6.0	.4	.0		30.5	11.8	32.5	29.0	29.9	31.2
NE	.0	26.4	8.9	.5	.0		47.8	11.8	42.6	44.8	45 1	42.5
e	3.2	3.0	.4	.0	.0		6.6	4.0	7.2	5.3	6.7	8.0
4.5	1.0	.7	.0	iõ	.0		2.3	5.8	2.4	2.4	5	2.4
•	1.0	.5	.0	,0	.0		1.5	6.0	1.5	1.3	2.1	1.2
Św	1.4		٠,	:0	.0		2.1	ě. i	1.8	2.7	2.4	i.i
ŭ"	1.6	.,	•1				2.7	7.2	2.7	2.4	3.1	
NH												2.2
	2.5	3.6	.6	.1	•0		6.8	9,2	6.6	7.9	6.8	5.7
VAR	.0	.0	•0	•0	.0		.0	:0	.0	•0	.0	•0
CALH	3.0						3.8	, o	2.8	3.9	2.4	5.7
TOT DES	806	1522	452	28	٥	2808		10.5	599	953	549	707
TOT PET	28.7	54.2	16.1	1.0	٠.	_	100.0		100.0	100.0		

D				

PERIODI (PRIMARY) 1923-1972 (DVER-ALL) 1856-1972

TABLE 4

AREA 0006 NATURA ISLAND 3.>:1 107.15

PERCENTAGE PRECUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALH	1-3	4-10	W[ND 11-2]	SPEED (	KNOTS) 34-47	48+	HEAN	PCT FREQ	TOTAL OBS
00603 06609 12615 18621	2.8 3.7 2.4 5.7	6.0 5.2 6.0 4.5	48.9 46.6 43.7 52.2	37.7 39.6 •3.0 33.5	4.5 4.6 4.9 4.1	.0 .0	.0	10.5 10.5 11.1	100.0	599 953 549 767
TOT PCT	107	151 5.4	1346	1076	127	1	.0	10.5	100-0	2808

TABLE 5

TABLE 6

,	CT FRE	10 0F 1	TGTAL By Win	CLOUD :	THOUNT	(EIGHTHS) Mean		i	PERCEN	TAGE P AND DO	REQUEN	40 33	CEILIN NH (5/	8 BY W	HTS (F	T,NH )	14/81 IN	
MND DIR	0-2	3-4	5-7	8 £	TOTAL	CLÖUD COVER	000 149	150	300 199	999	1000	2000 <b>3</b> 499	3500 4999	5000 6499	6500 7995	8000+	NH 45/8 ANY HGT	
N	2.5	9.0	11.9	11.7		6.0	•1	• 1						_				
NE	4.4	9.1	21.7						1.0	3.0	5.7	2.6	1.2	• • •	•0	• 3	16.1	
2-						5 , H	• •	• 1	1.7	5.7	9.0	4.3	.6	.3	.3	. 1	27.1	
•	••	1.0	2,2			5.7	•0	•0	.1	.7	1.1	• 2	.7	.0	•0	. 1	3.0	
SE	.0	.1	.7	. 5		6.7	• 0	•0	.0	. 1	.2	.1	ů.	•0	•0	• • • • • • • • • • • • • • • • • • • •		
S	.1	.3		•0		4.7	• 0	.0	.0	.0						• •	• 5	
W2	.1	.6	1.0			5,2			••		.2	•0	•0	•0	•0	•0	.5	
		٠.					•0	•0	•	.3	٠3	• 1	.1	•0	•0	.0	1.2	
ÄW	• • •	• ±				6.9	• 0	10	.1	. 4	.7	.4	.0	.1	•0	.0	1.0	
	• 1	,7	2.5			6.4	• 2	• 0	. 2	.9	.7	. 4	.1		• 0	ŏ	2.9	
VAR	.0	•0	•0	•0		•0	•0	•0	.0	.0	.0	.0	, ŏ					
CALK	.4	.1	1.0	.4		5.2					••			•0	•0	.0	•0	
TOT DES	13	167	416		938		•1	•0	•0	.1	• •	.2	.0	•0	•0	• • •	1.0	
						5.9	•	2	31	117	181	#2	22	7	3	è	529	988
TOT PCT	4	14.9	42.1	32.6	100.0			• 2	3.1	11.8	18.3	8.3	2.2	7 ن	• 5	ă	53.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTAMEDUS OCCURRENCE
OF CEILING HEIGHT (NH >6/6) AMO VSBY (NM)

				VS3Y (NE	1)			
CEILING	• CR	<ul><li>JR</li></ul>	• DR	- OR	. DK	. OK	• GR	• GR
(FEET)	>10	>5	73	>1	>1/2	>1/4	>50YD	>0
- OR >6500	- 6	. 9	.9	. 9	.9	.,	. •	.9
■ DR >5000	1.0	•	1.6	1.6	1.6	1.6	1.6	1.6
■ DR >3500	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
■ DR >2000	1.1	12.4	12.5	12.6	12.6	12.6		
■ DR >1000	17.9	20.7	36.7	30.7	30.8		12.6	12.5
■ DR >600	23.8	38.4				30.8	30.8	30.8
			42.2	42.4	42.5	42:5	42.5	42.5
• OR >300	25.1	40.5	45.1	45.3	45.5	25.5	45.5	45.5
• OK >150	25.2	40.4	45.2	45.5	43.7	45.7	45.7	45,7
- DR > G	25.2	40.7	45.8	44.1	40.4	۸۶.5	40.5	46.5
TOTAL	253	409	AAO	AAA	144	111	70.3	77.5

TOTAL NUMBER OF DBS: 1005

PCT FREQ NY <5/81 53.5

FABLE 74

PERCENTAGE PRES OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 9 5 7 8 085C0 OBS 3.0 4.4 17.1 14.1 13.1 9.4 11.5 8.7 15.8 .7 1075

0.1	•	4	96

PERIOD: (PRIMARY)	1923-1972	TABLE 8	4REA 0006 NATCHA IBLAND
(OVER-ALL)	1856-1972		3.5N 107.1E

ASBA (HB)		N.	NE	E	26	\$	S :•	<b>h</b>	44	VAR	EALW	PCT	TOTAL
	PCP	. 1	. 1	.0	•(	• 0	.0	.0	.0	.0	.0	. i	005
(1/2	NO PCP	٥	·o	ŏ	.6	.6	.0	ě	.ŏ	ĕ	.0	,0	
	TOT %	i	i	.0	.0	•0	.0	ō	.0	.0	.0	.:	
	PCP	. 1	.0	•c	.0	٠0	•0	.0	•1	.0	• 0	.1	
1/2<1	NO PCP	.0	. 1	.0	.0	•0	•0	.0	.0	.0	+0	.1	
	TOT %	.1	.1	.0	•0	•0	•0	.0	.1	.0	.13	ž	
	PCP	. 1	. 1	•	. 0	•1	•0	.0	. 1	.0	.0	.3	
1<5	NO PCP	٠.	.3	. 1	•	• 1	• 0	.0	.0	.0	• 0	. 4	
	TOT %	. 1	. 3	• 1	•	• 1	•0	.0	• 1	.0	•0	٥.	
	PCP	. e	1.0	. 1	•0	.0	.,	. 1	. 2	.0	. 1	>,4	
<5	NO PCP	. 9	1.6	• 1	.0	• 0	•	. 3	·:	.c	.0	2.9	
	TOT %	١.8	2.3	.3	.0	.0	. 2	••	. 4	• 0	• •	5.4	
	PCP	1.1	1.5	. 5	-1	•0	•0	. 1	• :	.0	.0	3,3	
<10	NO PCP	7.8	12.4	1.2	. 3	• 2	- 1	.5	.7	.0	• •	23.4	
	TOT %	೧.9	13.9	1.7	.5	• 2	•1	.5	. 8	•0	• 1	25.7	
	PCP	. 9	.9	. 1	• 1	•0	•	. 1	. 3	.0	-1	2.0	
+01	Mŷ PCP	40.4	30.6	3.3	1.0	. 9	1.5	1.3	**1	.0	1.7	64.8	
	TOT %	25.8	31.5	3.4	1.0	.9	1.5	1.4	4.4	• 9	1.9	60.8	
	TOT OBS												1433
	TOT PCT	31.7	49.2	5.5	1.5	1.2	1 . 8	2.3	5.7	.0	2 - 1	100.0	

TARLE 9

				_			_						
/58Y (44)	SPD KT\$	N	NE	ŧ	SE	\$	Sw	7	N.	VÁR	CAIK	PCT	TOTA
	0-2	.0	٠.	.0	.0	۰۵	٠.	.0	.0	.0	.0	.0	
<1/c	4-10	.0	- 1		.0	40	٠.	. 6	.0	٠.		. 2	
	11-21			•0	.0	.0	.0	.0		.0		.1	
	22+		.0	•0	~0	•0	.0	.0	.0	.0			
	1-3T F	•1	•2	*	.0	•0	.0	.3	*	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	٠,	.0	.0	
1/2<1	4-10	٤	-0	.0	.0	•0	.0	• 0	.0	.0			
	11-71	•		•0	.0	.0	.0	.0		.0		.1	
	22+	.0	•	•0	.0	.0	.0	. C	.0	.0			
	107 %	.1	-1	•0	.0	•0	.0	.c	٠	• 2	•0	.2	
	0-3	*	.0	,0	.0	.0	.0	.0		.0	.0		
1<2	4-10	.0	.0	• 0		.1	.0	.0	.0	.0	-	.1	
	11-51	• 1	.2	•	•0	. 9	.0	•0		.0		. 4	
	22+	• 1	. 2	• 1	.0	.0	.0	.0	٠0	.0		.4	
	TOT \$	• 2	. 5	•1	•	•1	•0	•0	•1	.0	•0	1.0	
	6-3	-0	.1		.0	•^	.0	.1	•	.0	.1	.4	
2<5	4-10	.6		• 2	•	•/:	-1	• 1	-2	.0		2.2	
	11-21	.9	1.2	•	.0	• 0		• 1	1	.0		2,3	
	22+	• • •	٠2	•0	•0	4 C	.0	• 0	.0	.0		.3	
	TOT #	1.7	3.3	.3	•	. 3	•1	.3	.3	۰,	•1	5,2	
	0-3		.2	•0	.1			• 1	•	.0	.2	.7	
5<10	4-10	2.1	2.9	• 7	.2	•1	• 1	• 4	. •	.0		4.9	
	11-21	4.4	7.7	• ?		.0		• •	.4	•0		13.4	
	22+	_•7	1.0	.0	• 2	•0	•0	.0	•	.0		1.7	
	15T %	7.3	11.8	1.3	.3	•2	.2	. 5	.9	.0	5•	22.7	
	0-3	9	1.2	. • •	. 3	• 5	.3	.7	-4	.0	2.7	6.7	
10+	<b>4−10</b>	10.3	15.3	3.0	1.1	• 7	1.1	• ?	3.4	.0		35,5	
	11-21	9.7	14.2	.5	•	• }	•1	. 3	1.3	٠.		20.3	
	22+	7	1.2	.0	.0	•0	.0	. 1	• 1	.0	_	2.1	
	TOT \$	21.6	31.9	3.9	1.5	. 9	1.5	1.4	5.2	٠,	2.7	70.5	
	OT 085												257
7	OT PCT	31.0	46.8	3.7	1.4	1.2	1.8	2.2	6.3	-0	2.9	100.0	

PAGE 464

•

Ç

DECEMBER

PERIODI (PRIMARY) 1923-1972 (OVER-ALL) 1856-1972

TABLE 10

AREA 0006 NATUNA ISLAND 3.5N 107.1E

## PERCENT FREQUENCY OF CEICING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HBUR (GMT)	000 149	150 299	300 599					5000 6499			TOTAL	NH <5/8 ANY HGT	
60300	.4	.0	3.6	11.8	16.5	8.6	2.9	.7	.0	.4	44.6	55.2	279
96609	.3	.0	3.2	10,9	17.0	9.9	2.2	3	.6	1.0	46.5	53.5	312
12615	1.6	.4	2.1	10.7	19.3	8.2	2.5	.4	.4	•0	45.7	54.3	243
18621	.9	.5	2.8	11.7	17.3	6.1	1.4	.0	.0	.9	41.6	58.4	214
TOT	8	2	31	118	183	86	24	7	3	6	470	578	1048

FARLE 11

TABLE 12

PERCENT FREQUENCY VSBY (NH) SY HOUR								CUMULATIVE POT FREQ OF RANGES OF VUBY (NH) AND, CEILING HGT (FEET/NH >4/8)/BY HOUR							
HOUR (GMT)	<1/2	1/2<1	1 < 2	2<5	5<10	10+	TGTAL CBS	HOUR (GMT)	<150 <50YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL QBS	
00603	.5	.2	1.0	5.6	22.3	70.0	480	00003	.4	4.1	19.2	27.7	53.1	271	
90360	•0	.2	1.1	4.4	21.3	73.0	656	90360	.3	3.7	18.6	31.4	50.0	296	
12615	• *	.7	.9	5.1	25.7	67.2	448	12615	1.7	4.3	20.1	28.6	51.3	234	
18621	.2	.0	1.0	5.7	21.7	71.4	511	19821	1.0	4.4	19.1	25.0	55.9	204	
TOT PCT	7 ,5	. 5 . 2	21 1.0	108	473 22.6	1481	2095	TOT PCT	. 8 . 8	41 4.1	193	286 28.5	526 52.3	1005 100•0	

	TARLE 13														TABL	E 14				
	PERC	ENT FR	EQUENC	Y 0F R	ELATIV	E HUM:	DITY 6	Y TEMP				PERC	ENT FR	EQUENCY	/ OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0=29	30-39	40-49	50-59	40-69	70-79	80-87	90-100	TOTAL	PCT	N	NE	٤	SE	s	SW	W	NW	VAR	CA
90/94	.0	•0	.0	.0		.2	.1	•1		.9	• 2	,7	•1	•0	.0	.0	.0	.0	•0	
85/89	.0	.0	.0	. 1	1.4	2.4	1.1	. 2	48	5.2	1.9	2.3	• 2	. 2	. 1		.0	. 2	•0	
80/84	.0	.0	.0	.0	1.3	18.0	33.2	8.7	570	61.2	17.0	32.5	3.1	. 9	. 4	1.2	1.2	3.6	.0	1
75/.9	.c	.0	.0	•0	.0	2.4	16.2	14.0	303	32.5	12.4	14.8	1.6	•	.3	. 5	1.0	1.3	.0	
70/74	.0	.0	.0	0	.0	.0	. 1	. 1	2	• 2	•0	.0	.0	.0	.0	.1	.0	.1	.0	
TOTAL	0	٥	0	1	Ž9	214	472	215	931	100.0										
PET	.0	.0	0	• 1	3.1	23.0	50.7	23.1			31.3	50.3	5.0	1.2		1.8	2.2	5.3	.0	2

TABLE 15

TABLE 16

	MEANS, EXTREMES AND PERCENTILES OF TEMP (DZG F) BY HOU							PERCENT SPECUENCY OF RELATIVE HUMIDITY &								SY HOU!	t	
HOUR (GRT)	ная	994	95x	50%	51	12	HIN	HEAN	TOTAL DBS	MDUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL DBS
£0300	91 90	86	83	80 81	77 77	75 75	73 73	80.1	599 937	60300 60300	.0	•0	1.2	21.8	53.5 40.8	23.5	85 81	243 277
12615	90 85	64 83	83 E2	80 79	77	75 75	75 73	€ · · 0 79.3	552 710	12615 18621	.0	•0	.9	19.6	13.6	26.0	85 86	235 194
TOT	91	87	84	80	77	75	73	80.3	2798	TOT	Ö	i	29	222	479	210	84	949

DECEMBER

PERIOD: (PRIMARY) 1923-1972 (OVER-ALL) 1856-1972

TABLE 17

AREA 0006 NATUNA ISLAND 3.5N 107.1E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FQG	WO FOG
11/13	.0	.0	.0	. 1	.1	2	.0	.1
9/10	.0	.1	.1	.3	. 1	10	•0	.7
7/8	.0	• 1	.1	. 3	.4	12	• 0	.9
6	.0	. 1	.1	. 1	. 1	7	•0	.5
5	.1	.4	.7	.7	. 2	28	•0	2.1
4	. 2	. 5	1.6	. •	.2	46	• 0	3.4
5 4 3 2	.0	. 2	1.2	. 1	. 1	22	.0	1.6
2	.0	1.3	6.4	, 3	.0	108	•0	8.0
- ī	.0	2.4	4.0	. 4	. 0	93	• 0	6.9
1 0 -1	.4	9.1	13.1	.1	.0	307	•0	22.8
-3	.0	7.2	5.1	. i	.0	168	•0	12.5
-ż	.6	10.5	10.2		.0	287	•0	21.3
-3		4.5	1.5	ŏ	.0	89	•0	6.6
-4	.7	4.8	1.0	٠٥	.0	89	•0	6.0
-5		2.6	š	·ŏ	.0	45	•0	3.3
-6	:2	.7	.6	ň	,ŏ	13	.0	1.0
			.ĭ	Ö	.0	17	•0	1.5
-7/-8	• •							
-9/-10	٠,2	• 1	.0	.0	•0	•	• 0	٠,
-11/-13	• 1	•0	.0	•0	.0	1	•0	1
TOTAL	53		614		18		0	1348
		615		48		1348		
PCT	3.9	45.6	45.5	3.6	1.3	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

TARLE 1

	1010							TABL	2 18							
				PC	T FREQ	OF WIND	SPEED	(KTS) AN	D DIREC	CTIUN V	ERSUS S	EA HEIG	HTS (FT)			
нст	1-3	4=10	11-21	N 22 <b>~3</b> %	34-67	48.	PCT		1-5	4-10	11-21	NE 22+33	34-47	48+	CCT	
<b>&lt;1</b>	.0	. 5	.2	•0	.0	.0	. 7		, 3	1.7	•1	.0	•0	.0	2.1	
1-2	ŏ	5.7	2.4	•0	.0	.0	8.0		.0	7.1	4.8	.0	•0	.0	11.9	
3-4	.0	2.4	5.7	•0	.0	•0	8.1		.3	5.1	11.9	•0	•0	.0	17.2	
5-6	.0	. 4	4.6	. 3	.0	•0	5.7		. 3	1.9	8.4	1.4	•0	.0	12.0	
7	•0	.0	1.7	• 7	.0	•0	2.4		•0	. 8	5.0	1.5	•0	.0	7.3	
<b>\$-9</b>	• 0	.0	1.7	-0	.0	•0	1.7		•0	• 3	1.3	1.9	• 0	.0	3.5	
10-11	.0	.0	•0	•0	.0	• C	•0		•0	•0	.3	. 3	•0	.0	.6	
12	•0	.0	•0	.3	.0	.0	٠,		•0	•0	•0	•0	•0	.0	•0	
13-16	•0	.0	.0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
17-19	.0	.0	•0	. 5	. 3	•0	.2		•0	•0	•0	-1	•0	.o .o	•1	
20-22	•0	.0	•0	•0	•0	•0	.0		•0	•0	•0	.0	•0		.0	
23-25	.0	•0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	.0	.0	
20-32	•0	.0	•0	•0	.0	•0	.0		•0	.ŏ	.0	.0	.0		.0	
33-40 41-48	.0	.0	.0	•0	.0	•0	.0		.0	.0	.0	.0	•0	ŏ	.0	
49-60			•0	•0	.0	•0	.0		•0	.0	.0	.0	.0		·ŏ	
61-70	•0	.0	•0	•0	.0	•0	•0		.0	.0		.0		.0	.6	
71-86	•0	.0	•0	.0	.0	.0					.0	.0	•0		•0	
87+	.0		.0	.0	.0	.0	.0		ě				.0	ŏ	.0	
TOY PCT	.0	9.3	16.2	1.5	ö	.0	27.1		ï	16,8	31,9	5.2	•0	.0	54.7	
				E								SE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.3	.0	.0	.0	7.0	3		٠,,		.0	.0	.0	.0		
1-2	.0	2.3	ŏ		٥٠	.0	2,3		.0	, 9	ō	.ŏ	.0	.0	. •	
3-4	ö	-:;	ŏ		:0		- 9		ō	.0		ě	.0	. 0	.0	
5-6	ŏ	1.0	ž	.0	ŏ		1.7		ō	.0	, i	.0	•0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	•0	
8-9	.0	.0	.0	.0	.0	•0	• 0	1	.0	.0	.0	.0	•0	.0	•0	
10-11	.0	.0	.0	•0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
12	.0	.0	.0	.0	٠.	•0	• 0	l .	•0	•0	.0	.0	•0	.0	•0	
13-16	.0	•0	•0	•0	.0	•0	•0		•0	.0	.0	•0	•0	.0	•0	
17-19	.0	•0	•0	•0	.0	+0	•0		•0	•0		.0	•0	•0	•0	
20-22	•0	•0	•0	•0	•0	•0	•0		•0	.0	• 0	.0	•0	•0	•0	
23-25	.0	•0	•0	•0	.0	•0	•0		•0		.0	.0	•0	.0	•0	
26-32	.0	•0	•0	•0	.0	•0	• 0		•0	.0	•0	•0	•0	•0	•0	
33-40	•0	-0	•0	•0	• • • • •	•0	• 0		•0	.0	.0	•0	•0	•0	•0	
41-48	.0	.0	.0	•0	.0	•0	• 9		•0	:0	.0	•0	•0	:0	.0	
49-60	•0	•0	•0	-0	.0	•0	• 9		•0	:0	.0	.0	.0	.0	.0	
61-70	•0	•0	•0	•0	.0	•0	• 0		•0		.0	•0	ěŏ	.0	.0	
71-86 87+	•0	•0	•0	•0	.0	.0	•0		.0	:0	:6	.0	Ď		.0	
TOT PCT	.0	4.5	•0	•0	.0	.0	5.2		.,	1.2	.1	.0	·ŏ	.0	1.5	
TUT PLT	• •	707	• /	•0	•0	• • •	- • •		.,		• •	••				

PAGE 444

PERIODI (OVER-ALL) 1963-1972 TABLE 18 (CONT)  PET PRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS	(FT) 47 48	
PET FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS	67 48- 60 ,0	
	.0 ,0	
SH HET 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-	.0 ,0	
MQ1 1-3 4-10 II-51 55-33 34-41 404 401		0 .6
	.0 .0	
1 2 0 .5 .0 .0 .0 .0 .5 .0 .1 .0 .0 .0 .3 .3 .3 .0 .0 .3 .3 .3 .0	.0 .0	
5.6 .0 .0 .0 .0 .0 .0 .9 .0	.0 .0	0 .3
7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	
9 0 0 0 0 0 0 0 0	•0 •0	
10-11 10 10 10 10 10 10 10 10 10 10 10	•0 •	
12 0 0 0 0 0 0 0 0 0 0	•0 •	
13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0 •!	
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0 •!	
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•0 •1	
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1	
33-40 .0 .0 .0 .0 .0 .0 .0 .0	.0	
41-48 0 0 0 0 0 0 0 0 0 0 0 0	.0	
44-00		
10.00		ŏ .ŏ
11400 10 10 10 10 10 10		
TOT 2CT .0 .7 .0 .0 .0 .0 .7 .0 1.2 .6 .0	•	• •••
H NW		TOTAL
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-9 4-10 11-21 22-33 34-		
«1 .2 .3 .0 .0 .0 .5 .1 .0 .0 .0		0 .1
1-2 3 5 6 0 0 0 1.3 0 1.9 0 0		0 2.4
3-4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0		0 .9
		.0 .1 .0 .0
7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		0 .0
10 10 10 10 10		0 .0
1001		0 .0
12 10 10 10 10 10		.0
13-10 10 10 10 10 10		0 .0
1/414 10 10 10 10 10 10 10		0 .0
20#22 .0 .0 .0 .0 .0 .0 .0		0 .0
23023 13 10 10 10 10 10	.0	0 .0
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	.0 .0
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0 .0
49-60 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	.0 .0
41-70 10 10 10 10 10 10 10 10 10 10 10		.0 .0
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0 .0
0 0 0 0 0 0 0 0 0 0 0 0		.0 .0
TOT PCT .8 .8 .8 .0 .0 .0 2.4 .1 2.7 .8 .0	••	.0 3.5 97.0

DECEMBER

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	48+	201	TOT
<1	3.6	3.9	.3	.0	.0	.0	7.7	
1-2	.6	18.8	3.3	ŏ	.0	.0	27.6	
3-4	.6	9.7	18.0	.0	.0	0	28.2	
5-6	.3	3.9	14.1	1.7	.0	.0	19.9	
7	.0	. 8	6.6	2.2	.0	.0	9.7	
8-9	.0	. 3	3.3	1.9		.0	5.5	
10-11	.ŏ	.0	.3			.0	46	
12	.5	.0		دُ .		.0		
13-16	.0	ž		.0		.0	.3	
17-19	.0	.0	.0		.0		.3	
20-22	.0	.0	.0	ñ			.0	
				.0			.0	
23-25	•0	•0	•0				.0	
26-32	•0	•0	•0			.0	.0	
33-40	.0	•0	•0					
41-48	•0	•0	•0			.0	•0	
49-60	•0	•0	•0	•0			•0	
41-70	-0	•0	•0				٠0	
71-66	•0	.0	•0				•0	
87+	•0	.0	•0	•0	•0	.0	•0	
TOT PCT	5.0	37.6	50.8	4,6	.0	.0	100.0	362

PERIOD: (OVER-ALL) 1949-1972 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 87+ TOTAL
.0 294
.0 245
.0 109
.0 29
.0 8
.0 4
.0 68
0 757
.0 100.0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 <1 1-2 3-4 5-6 5.5 9.6 4.0 .8 .3 .4 1.8 170 22.5 12.3 13.6 1.7 12.0 .4 1.7 .1 .1 .0 .0 2.0 1.5 125 220 16.5 29.1 0000000000 3.3 4.6 4.0 .8 .3 .0 .5 102 13.5 . . . . . . . . . . . . . . . . . . . . . . . 0000000000 1.1 3.2 2.6 1.1 .0 .0 .4 .63 .1 .7 .9 .5 .0 .0 .1 18 .0 .1 .4 .3 .1 .0 .0 .0 .0 .7 .9 0 .1 .0 .1 .0 .2 .3 000000000 000000000 000000000 000000000 2.8 .0 .0 .0 .0 2.6 41 5.4

- 大き いまがら

TABLE 1

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENT	FREQUENCY	űF	RSHTATH	JCCURRENCE	BY	e I NO	DIRECTIO

			,	RFCIPI	CLTAT	TYPE					CTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	SRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUP	THOR LING	FBG HO PC®N	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG NEA
N_	3.4	2.3	1.8	.0	.0	.0	.0	7.2	4.0	2.0	٠ż	•0	. 2		86.9
NE	2.5	2.6		.0	•0	.0	.0	5.8		2.0	• 1	•0	• 2	•	88.5
E	2.8	1.3	1.2	•0	•0	.0	.c	5.3	4.0	. 6	• 1	•0	• 0		89.8
SF	3.4	2.1	.8	.0	•0	.0	.0	6.3	2.7	2.4		•0	. 4	•0	68.4
S	3.2	1.3	1.3	.0	.0	•0	.0	3.8	2,4	1.9	• 1	•0	1.6	•0	88.4
Šw	4.3	1.3	1.0	.0	.0	.0	.0	6.0	3.6	2.6	•	. 0	• 6	•0	86.7
N	8.0	3.2	2.7	.0	.0	.0	.0	13.8	3.2	1.3	•	.0	. 3	.0	81.5
Ñw	4.7	4.4	2.4	.ŏ		.0		14.9	6.0	1.7	•1	č	. 3	•0	77.3
VAR	0	7.0			.0	.ŏ	.0		• • • •			.0	.0		
CALM	1.4	1.4	•	.0	.0	.0	٠.	2.8	1.6	2.4	•1	.0	1.3	•0	91.5
TOT PCT	3.2	1.8	1.0	•0	٠.	•0	•0	5.7	2.9	1.7	-1	•0	.5	•	89.3

TABLE 2

DESCENT	ERFOUENCY	ĤΕ	MEATHER	OCCURRENCE.	Av	HILLIS

			•	RSCIPI	TATIO	TYPE					OTHER	MEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	DR7L	FRIG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT SMIT BC	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	PUG MD PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNDH	
00603 06609 12615 18621	3.0 3.3 2.5 3.0	1.6 2.1 1.7 1.7	1.0	.0	.0	.0	.0	5.5 6.2 5.4 5.6	3.6 2.6 2.8 2.1	.5 .1 2.3 4.5	.1 .1 .1	.0	.5	• C • 1 • O	89.8 90.3 89.0 7.5
TOT PCT TOT CBS:	3.0 18989	1.8	1.0	.0	•0	•0	•	5.7	2.9	1.7	•1	•0	•4	•	89,3

TARLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	A CHARLES AND CONTRACTOR OF MANY OF MANY OF MANY OF MANY OF MANY																
			ND SPE				_							(GMT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	GP2	00	03	06	09	12	15	18	51
н	1.2	6.3	3.7	.4	•	.0		11.6	7:4	11.3	11.2	10.4	13.2	12.6	12.5	11.5	11.5
NE	2.0	12.6	8.5	.7		•0		23.6	7.7	24.6	23.4	25.0	22.5	34.1	26.6	23.1	21.0
E	1.3	7.6	. 0	. 1	•	.0		6.8	6.6	6.9	8.1	7.2	5.9	5.9	7.9	6.9	7.0
ŠE	1.2	3.9	. 5		.0	•0		5.7	6.4	5.8	7.3	6.0	5.3	4.9	5.8	5.3	6.0
Š	2.1	10.8		. 1		.0		16.5	7.0	17.5	19.	17.9	15.4	14.3	16.7	15.0	16.8
Šw	1.9	11.5	4.2			•0		17.9	7.5	17.4	18.2	17.2	19.8	18.3			
¥	. 9	3.6				. 5		5.9	7.6	5.5						5.6	
ÑW.	. 8	2.6				·õ		4.2	7.6	3.7	3.6		4.7		4.1	4.2	
VAR	.0	.0	-	.0		.0		. 1	.0	.0	.0	.0	.0		.0		• 0
CALM	7.4	•••	• '	• 0	••	•••		7.4	ŏ	7,2	3.3	6.1	5.9	8.5	3.4	11.1	9.1
TOT DAS	/						34231	7.4		5859	1584	7795	3951		1292		
		•					34231		•••								
TOT PCT	18.9	38.0	23.4	1.7	•	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND		(KNOTS)						Hous	(GHT)	)
WHD DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00 03	00	12 15	16 21
						•00	rncu	3.0		0,		**
N	4.0	6.2	1.3	.1	.0		11.6	7.4	11.2	11.4	12.6	11.6
NE	7.1	13.7	2.8	,1	.0		23.8	7.7	24.3	24.1	24.6	22.2
•	4.0	2.6	• 2	•			6.6	6.6	7.2	6.7	6.3	6.9
ŠE	3.6	2.0	.1	.0	.0		5,7	6.4	6.2	5.4	5.1	5.6
5	5.8	9.0	. 8	•	.0		16.6	7.0	17.9	17.4	14.8	15.8
Sw	6.9	10.0	1.0		٠.		17.9	7.5	17.6	19.0	18.3	17.6
W	2.8	2.7	.4		.0		5.9	7.6	5.5	6.1	6,2	5.7
NW	2.2	1.0	.3		.0		4.2	7.6	3.7	4.3	4.6	4.3
VAR	.0	• 0	•0	.0	.0		.0	.0	.0	•0	۰.0	.0
CALM	7.4						7.4	<b>*</b> :0	_6.4	6.1	7.5	10.2
TOT ORS						34231		8.0	7443	11746	6576	8466
TOT PET	44.9	48 - C	6.9	.3			100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1655-1973

TARLE 4

AREA 0006 NATUNA ISLAND 3.6N 107.0E

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

				GRIN	SPEED (	KNOTS			PCT	TOTAL
HOUR	CALH	1-3	4-10	11-21	22-33	34-47	48+	HEAN	FREQ	OBS
60200	6.4	11.3	56.6	24.1	1.5	.1	.0	8.1	100.0	7443
90409	6.1	11.4	55.0	25.6	1.4	.1	.0	4.3	100.0	11746
12615	7.5	11.4	55.6	23.5	2.0	•	• 0	8.1	100.0	6576
18621	10.2	11.7	57.0	19.6	1.5	•	.0	7.4	100.0	8466
TOT	_							8.0		34231
-67	7.4	11.4	56.0	23.4	1.7		. 0		120.0	

TARLE 5

TABLE 6

1	PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION HEAN						PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 & 085CD	TCTAL CBS	MEAN CLOUD COVER	000 149	150 290	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6900 7999	*000	NH <5/8 ANY HGT	TOTAL OBS
*4	1.4	2.2	4.8	2.7		5.2	•	•	. 2	1.0	1.5	. 9	.2	• 1	•		7.0	
NE	4.1	6.6	11.2	4.9		4.9	• 1	• 1	. 4	1.9	3.7	2.0	.4	• 1	•1	• 1	18.0	
	1.4	2.1	2.6	. 9		4.5	•		. 1	. 5	.6	.3	.1		• 0	•	5.4	
\$	1.0	1.2	2.1	. 8		4.9	•		. 1	. 3	. 5	. 2		• 1			3.8	
Š	2.9	4.0	6.9	2.8		5.1	•	•	ž	.7	1.8	. 9	. 3		•	•	12.5	
Š h	2.2	3.5	7.6	3.7		5.2			.3	1.2	2.0	1.1	. 5	• 1		.0		
¥.	.,5	1.0	2.5	1.8		9.9	•1	•	.1	. 6	1.0			.1		•	3.4	
NW		6		1.2		5.8	*:			. 5	• • • •	-	• •	٠:			2.1	
	• •		7.6					• 2	• 1		-	• 3	•1	-	•0			
VAR	.0	.0	.0	•0		•0	•0	•0	.0	.0	.0	•0	•0	•0	•0	.0	.0	
CALM	2.0	1.8	2.3	•6		÷.3	•	•0	. 1	.3	. 4	• 3	• 1	• 1	•	•	5.5	
TOT UBS					12035	5.1												12035
TOT PET	14.1	23.1	41,4	19.5	100.0		.4	• 2	1.6	7.0	12.2	6.3	1.9	.7	• 2	.3	69.3	100.0

TABLE 7

	-	
CUMULATIVE PCT FREG		
OR CETLING METCHT	ING SAIRS AND U	TRV / UMI

				VSBY INH	3			
CEILING	a CR	• OR	• 6°	= DR	- GR	• QR	• OR	- DR
(FEET)	>10	>5	>^	>1	>1/2	>1/4	>5040	>0
• OR >6500	.4	.5	.5	.5	.5	.5	.5	.5
■ DR >5000	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
• DR >3500	2.4	2.9	3.0	3.0	3.0	3.6	3.0	3.0
- DR >2000	7.1	9.0	9.3	9.3	9.4	9.4	9.4	9.4
<ul> <li>DR &gt;1000</li> </ul>	15.2	20.2	21.3	21.4	21.4	21.4	21.4	21.4
■ DR >600	19.0	26.3	28.1	28.2	28.3	24.3	28.3	28.4
■ FIR >300	19.8	27.5	29.8	29.8	29.9	29.9	29.9	29.9
■ DR >150	19.8	27.7	29.8	30.0	30.1	30.1	30.1	30.1
0.08 3 0	19.9	17.4	30.0	30.3	30.4	30.5	30.5	30.5

TOTAL NUMBER OF OBS: 12279

PCT FREQ NH <5/81 69.5

TABLE 7A

PERCENTAGE FREQ OF COM CL UDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 4.0 12.4 21.3 18.4 13.0 8.6 7.9 6.0 8.2 .3 13227

N	м	ti	

								ANA	IUAL						
PERIOD: (PRIMARY) (QVER+ALL)								TAE	LE B				ARE	A 0006	NATUNA ISLAND 3.6N 107.QE
			P	ERCENT				CTION V						E OF	
VSI (N)				NE	ε	SE	S	Sw	w	NW	VAR	CALH	PCT	TOTAL OBS	
<1.	/2 !	PCP 40 °CP 101 %	•	:	:	•0	•0	:	:	•0	.0	•0	,1		
1/3	2<1	CP NO PCP TOT %	:	.1	:	:	:	:	:	:	•0	•0	.1		
1 <	2 !	PCP NO PCP TOT \$	•	.1 .1	:	.1	•	•1	:	•1	.0	•0	.3		
2<:	5	PCP NO PCP TOT \$	.3	.2 .4 .7	.1 .1 .2	: i	•1 •2 •3	.7	.2 .1 .3	·1 ·1 .2	.0	:	1.1		
5<	10	PCP NO PCP TOT %	.2 2.2 2.4	.5 4.7 5.2	.1 .9 1.0	•1 •7 •6	.3 2.1 2.4	2.3 2.7	.2 .9 1.2	, 2 , 6 , 8	•0	.5	2.1 14.9 17.0		
10	•	PCP NO PCP TOT %	8.2 3.5	19.4 19.5	5.7 5.8	*1 4.4 4.5	13.9 14.1	13.7 14.1	4,0	2.7 2.9	•0	5.4 5.4	1.9 77.5 79.4		

TOT DBS 18601 TOT PCT 11.4 25.9 7.0 5.5 16.9 17.4 5.9 4.0 .0 6.0 100.0

TABLE 9

SBY	SPD	H	NE	€	SE	5	Sw	*	NW	VAR	CALH	PCT	TOTAL
(HP	KT5 0-3							.0			_		Cas
<1/2	4-10	:	.1	•0	:	:	:	••	- :	.c		.ī	
C1/2	11-21	:	• • •	:	:	:	:		-	:ŏ		::	
	22+	·	.5	ň		• 5	·		.ŏ	.ŏ		•	
	TOT #	•	:1	•	•	•	.1		*	.0		ž.	
	0-3	.0	٠.			.0	.0	.0	.0	.0	•	•	
1/2<1	4-10			.0	•					.0		.1	
	11-21	•		•						.0		. 1	
	22+	.0	•		.0	.0			.0	.0			
	TOT \$	*	¢	•		•	•	•	•	.0	•	.2	
	0-3	•	•	.0		•	•	•	•	9.	•	.1	
1<2	4-10		•		•			•	*	.0		.2	
	11-21	•	• 1	•	•	*	•	•	•	.0		٠ż	
	22+ TOT %	.1	•1	:	.0 .1	.0	•1	•1	•1	•0		.1	
	0-3			٥			-1	•		.0	.1	.4	
2<5	4-10	.2	.3	•1	.1	,2	.;	٠ż	, i		••	1.4	
• • •	11-21	ž	.4	' .	٠,	•1	.1	• 1	.1	.0		i.i	
	22+		*			.0		- 1	•	,ŏ		7.1	
	TOT &	.5	.8	. 2	•1	. 3	.5	. 3	.2	.0	•1	3.0	
	0-3	.1	.2	.1	•1	.2	.2	•1	-1	.0	.5	1.8	
5<10	4-10	. 8	1.7	. 5	.5	1.2	1.4	.6	. 4	.0		7,0	
	11-51	1.0	2.3	٠2	• 1	. 6	. 6	.3	.2	.0		5.3	
	22+	-1	.3	•	•	. :	.1		•	.0	_	6	
	T07 %	2.1	4.4	. 8	•7	2.0	2.3	1-0	.:	.0	. 5	14.7	
10+	0-3 4-10	1.0	10.9	1.1	1.0	9.7	1.4	2.8	2.0	٠,	6.6	13.5	
10+	11-21	2.4	6.5	7.7	3.4	3.2	3.4	2.7	2.4	.0		17.6	
	22+	7:3	.4	• ' '	:5	3.1	7.1	14	• •	.0		.,,	
	TG7 %	1.7	19.3	5.7	4.6	14.3	14.7	4.3	3.1	.0	6.6	41.3	
,	OT OBS												25172
	OT PCT	11.5	24.3	6.8	5.9	16.8	17.6	5.7	4.1	.0	7.2	100.0	

**(** 

ANNUAL

PERIOD: (PRIMARY) 1920-1973 (OVEP-ALL) 1855-1973

€.

€`

TABLE 10

AREA 0006 NATUNA ISLAND 3.6N 107.0E

;

j

## PERCENT FREQUENCY OF CRICING MEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/A BY HOUR

HOUR (GHT)	000 149	150 299	300 599	979	1000	2000 3499	3500 4999	5000 6499	4500 7999	€000+	TOTAL	NH <5/8 Any hgt	TOTAL OBS
60203	.2	.2	1.7	4.9	11.4	4.1	1.0	.•	•1	•2	29.7	70.3	3536
90300	.3	.2	1.6	<b>6.5</b>	12.0	4.4	1.7	.5	.2	•2	30.0	70.0	3833
12615	.5	.2	1.4	7.3	11.8	5.7	2.0	.4	.1	•2	30.0	70.0	2891
18621	.5	.2	1.4	5.7	10.8	5.6	1.5	.6	.1	.4	24.9	73.1	2041
TOT	.4	.2	1.5	6.4	11.6	6.1	1.4		.2	.3	29.3	70.7	12901

TABLE 11

TABLE 12

		PERCENT	FREQUEN	4CY V581	( (NM)	BY HOUR	1	CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	POUR (GMT)	<150 <50YD		<1000 <5	1000+ AND5+		TOTAL DBS
60300	.4	.2	.4	2.8	13.7	82.5	6205	60603	•2	2.3	10.9	20.3	68,8	3388
<b>9</b> 0360	.2	.2	.5	2.6	13.0	83.5	7957	90100	.3	2.3	10.8	21.0	68.1	3663
12615	.3	.3	.7	3.9	17.1	77.8	5391	12615	.6	2.3	12.3	20.1	67.6	2741
18821	.2	.1	.4	3.0	15.4	80.8	6001	18621	.5	2.2	10.3	19.1	70.6	2487
TOT		•			14.6	#1 . A	25554	TOT		2.2	11.1	20.2	48.7	12279

TARLE 13

TABLE 14

						-														
	PERC	ENT FA	EQUENC'	OF #	ECATIV	E HUMI	DITY S	Y TEMP	70741	•••		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N 84 T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	10-19	90-100	TOTAL	PCT	N	NE	Ε	SE	\$	SW	W	NX	VAR	CALM
95/99	.0	.0	•0			•	.0	•0		. •	•0	.0			•	•	•0	.0	•0	.0
90/94	.0	.0		• 2	.,	.5	.2	•		1.8	.1	.4	.1	•1	.4	.3	-1		.0	.2
83/89 80/84 75/79	.0	.0	.0	• 1	2.5	9.8	2.7	.5		15.7	. 9	2.3	1.1	1.2	4.0	3,7	.8	.3	.0	1.4
80/84	.0	.0	.0		1.3	26.0	33.1	6.8		67.2	6.1	17.3	4.8	3.4	11.6	12.1	4.1	2.6	.0	5.1
75/79	.0	.0	.0		•	1.5	1.2	5.5		15.1	3.5	6.6	1.1	.2	.5	1.1	.9	.9	•0	.3
70/74 TOTAL	•0		•0				.1	. 2	11244	100.0	•	•	•0	•0	•	-1	•1	•	•0	•0
PCT	.0	.0	•	.3	4.7	37.7	44,3	1340			10,6	26.7	7.1	5.0	16.6	17.3	5.9	3.9	•0	7.0

TABLE 15

TABLE 16 PERCENT FREQUENCY OF RELATIVE HUHIDITY BY HOUR

	HEANS,	EXTREM	ES AND	PFRCEN	TTLES	OF TE	IP (DE	G <b>F}</b> B	Y HOUR
HOUR (GMT)	HAX	***	95x	50%	51	1%	HIN	HEAN	TOTAL OBS
00803	97	12	86	02	78	75	72	81.9	7434 11556
12615	97 97	91 87	13	83 82	78 78	76 76	68 68	61.6	6606
18621	90	15	84	11	78 78	75	70	81.1 82.1	8492 34088
TOT	77	**	86	82	70	76	48		34000

ANNUAL

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA OCOÓ NATUNA ISLAND 3.6N 107.GE

PCT FRPO OF AIR TEMPERATURE (DEG VS AIR-SEA	F) AND THE TEMPERATUR	OCCURRENCE OF	FOG (WITHOUT DEG F)	PRECIPITATION
------------------------------------------------	--------------------------	---------------	------------------------	---------------

AIR-SEA TMP DIF	65 68	69 72	73 76		d1	85 88	89 92	>92	101	FÜG	WD FOG
14/16	.0	:0	.0	.0	•	:0	•	.0	3	.0	•
11/13	• •	٠0	.0			7.1	-1	•	36	.0	.2
9/17	•0	٠,	.0		- 2	.1	.2	.1	56	.0	.4
7/8	•0	•0	.0		.1	.3	. 3	.1	155	•0	9
6	•0	•0	.0		.1	, 2	• 2		82	.0	. 5
•	• 0	.0		.1		.7	.6		332	• 0	1.9
4	•0	•0		• 2	1.4	1.6	.6		678	•	3.9
3	•0	.0		.1	.6	. 9	• 2	.0	333	.0	1.9
2	•0			.7	9.4	3.1	. 2	.0	1666	.0	9.5
1	•0	.0	.0	1.0	3.3	1.7	•	.0	1058	•	6.0
G	•0		. 2	4.0		3.0			4171	•	23.6
-1	.0	.0	.1	2.4		1.1		.0	1992	•	11.3
-2	.0		. 3	4.5	13.4	7.7	•	.ŏ	3323	·	18.9
-3	•0	:0		1.9		.2	.0		1105	•	6.3
-4	.0	•	.4	2.9	4.3	.1	.5	.5	1358	·	7.7
-5	.0	.0	. 3	1.6	1.4	.1	.5	:ŏ	622	.5	3.5
-6	.0	.0	.1			``	.5		210		1.2
-7/-8	.0	•	.3		. 3	.0	.0	.0	250	•0	1.4
-9/-10	.0		.2	.2	.í	.0		:0	68	•0	
-11/-13	.0	•		":	٠.						• 4
-14/-16	•	.0	•	.0	.0	ě		.0	32	•0	.2
TOTAL	•	••	Ī	•0	•0	••	••	.0	17542	•0	•
PCT	•	-1	2.2	21.6	59.6	13.9	2.5	•2	100.0	•1	99.9

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

								TABLE	16						
				₽6	T FRED (	OF WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	1	
HGT	1-3	4-10	11-21	N 22-33	34-47							NE			
<1	1.2	10	11-51	.0	.0	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	ż	2.8	,7	.0	.0	.0	3.7		.6	1.5	.2	•0	•0	.0	2.3
3-4		1.1	1.6	:1	٥٠	:0	2.9		.6	6.4 3.2	2.8	•0	•0	•0	9.8
5-6	•0		.,,	•	۰۸	.0	1.2		• • •	3:7	4.9 3.2	•1	•0	.0	8.5
7	.0		.3	•1	.0	.0	5		•0	.2		.3	•0	.0	4.3
9-9	ŏ	.0	.2	:i		:0	.3		•0	• • •	1.3	.3	•0	•0	1.8
10-11	.0	•0		•		.0	"		č	• 0		•2 •1	•0	•0	•7
12	.0	.0	•0		.0	.0	·		٠٥	.0	.0	:0	:		•2
13-16	.0	.0	.0	•0	,ŏ	.0	•0		ě	ŏ	.0	.0	•5	.0	•0
17-19	.0	.0	.0	•	.0	.0			ŏ	.0	.ŏ	••	:0	:ŏ	••
20-22	.0	.0	.0	.0	.0	.0	.0		ŏ	ŏ	.0		.0	.ö	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	·ŏ	.0		.8	.0
26-32	.0	.0	•0	•0	.0	.0	.0		.0	:0	.0		.0	.ŏ	•0
33-40	.0	.0	•0	•0	.0	.0	.0		.0	.0	.0	.0	.0	.ŏ	•0
41-48	.0	.0	•0	•0	.0	•0	.0		.0	.0	•0	.0	•0		.ŏ
49-60	.0	.0	.0	.0	.0	•0	.0		.0	.0	•0		•0	ě	•0
61-70	.0	.0	.0	.0	.0	•0	.0		.0	.0	.0	•0	•0	.ŏ	.0
71-86	.0	.0	.0	•0	.0	•0	.0		.0	.0	.0		.0	.ŏ	.ŏ
87+	.0	.0	•0	.0	•0	.0	.0		.0	.0	.0	•0	•0	.0	.0
TOT PCT	.5	4.8	3.9	-4	•0	•0	9.5		1.5	12.0	13.0	1.1	•	.ŏ	27.6
				E								SE			
HGT	1-3	4-10	11-21	22-93	94-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6		•0	•0	.0	•0	1.4		.3	. 4	.0	• 0	•0	.0	.7
1-2	.3	3.1	.5	.5	•0	•0	3.		.3	1.9	.3	.0	•0	.0	2.4
3-4 5-6	•	.9	.5		.0	.0	1.5		•	. 6	.4	•0	•0	.0	1.0
	•	.2	.3	•	•0	•0	•5		•0		•1	•0	•0	.0	• 1
7 8-9	.0	٠,٥	•1	3	.0	•0	•1		.0	.0		•0	•0	.0	•
10-11	.0	.0	•0	•0	••	•0	•0		•0	• •	•0	•0	•0	•0	.0
12	.0	.0				•0	•		•0	11	•0	•0	•0	•0	•1
13-16			•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0
17-19		:0	.0		.0	.0	.0		•0	•0	•0	•0	•0	•0	•0
20-22	.ŏ	.ŏ	.0	:0	:ŏ	:0	:0		•0	•0	•0	•0	•0	•0	•0
23-25	.ŏ	:0	•0		.0	:0	:0		•0	.0	•0	•0	•0	•0	•0
26-32	.ŏ	.ŏ	•0		.0		.0		•0	.0	•0	•0	•0	•0	•0
33-40	.0		•0	.0	.0		.0		.0	:0	•0	•0	•0	•0	•0
41-48		:	•0	.0	.0	.0	.0			.0	•0	•0	•0	.0	•0
49-40			.0	:0	:0	:0	.0		.0	:0	٠,٥	•0	•0	.0	•0
61-70	.0		•0		.0	:0	.0		•0	:0	•0	•0	•0	.0	•0
71-86	ě		.0	.0	.0	:0	:0		.0	:0	•0	•0	•0	•0	•0
87+		ŏ	.0	.0	.0		.0		•0	:0	•0	••	•0	•0	•0
TOT PCT	, 9	5.0	1.4				7.4			3.0	• • •	• 0	•0	٠٥	0

PAGE 472

. .

									ANNUAL				4054	0006	ATOMA	TSI AND
PERIODI	COVER	1-4[[]	1703-1	973				TABLE	18 (CONT)						N 107	
				ec.	T FREQ (	OF WIND	SPEED	(KTS)	AND DIRECT	PCIT	VERSUS S	EA HEIG	HTS (FT	)		
				5						·~10		5 W 22-33	34-47	48.	PCT	
HGT	1-3	4-10	11-21	22-33	34-47	48÷ •0	PCT 1.6		1-3		11-21	.0	•0	.0	1.6	
<1	• 2	1.3	1	•0	٠.		7.6		.;	:.0		.0	.0	.0	0.3	
1-2	i	5.6 3.1	1.6	.0	.0	.0	3.4		:i	žž		.1	ŏ	ö	5.0	
3-4 5-6	;	7:3	1.1	:0		.ŏ	1.5		. 5	4		· · ·	.0		1.8	
7	:0	.0			.õ	.0	.,3		.0	.0		.1	•0	.0	.5	
a - 9	.0	.0		.0	.0	.0	• ?		.0	.0		•	•0	.0	.1	
10-11	.5	.c	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		•0	•0	۰0	•0	
13-16	.c	.0	.0	.0	.0	.0	.0		•0			.0	•0	.0	•	
17-19	. 0	.0	•0	.0	. 2	.0	•0		• 0	• 0		.0	•0	•0	.0	
20-22	.0	.0	•0	.0	.0	.0	•0		•0	• 0		• 0	• 5	•0	.0	
23-25	٠.	.0	.0	.0	•0	.0	•0		•0	.0		•0	•0	•0	.0	
26-32	.0	•0	•0	•0	.0	•0	•0		• 2	.0		•0	• 2	• 5	•0	
33-40	.0	.0	•0	.0	•0	.0	•0		•0	.0		.0	•0	.0	.0	
41-48	.0	٠.	•0	.0	.0	٠0	•0		•0	.0		•0	•0	.0	:0	
49-60	.0	.0	•0	•0	.0	۰۷	•0		.0	.0		•0	•0	.0	.0	
61-70	•6	.0	•0	•0	.0	•0	•0		:3			0.	.0	.5	.0	
71-86	• >	.0	•0	.0	.0		.0		.6	.0		.0	.0	.0	.0	
87+	.0	10.3	5.4	.1	:0	.0	16.5		1.2	9.9		.1	.0	.0	17.3	
TOT PCT	• ′	10.3	2.4	••	•0	••	1007		,	••	•	••	•••	•••	•	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-7	4-13		22-33	34-47	48+	PCT	PCT
<1	. 3	.9	.0	.0	.0	•0	1.2		•2	• 2		•0	•0	•0	.4	
1-2	.3	2.1	.5	.0	•0	.0	3,0		.2	1.0	,3	٠.	• 0	.0	1.5	
3-4	.1	.7	.7	•	.0	•0	1.5		•0			•0	•0	•0	. 8	
5-6	٠,	.2	• 2	.0	.0	•0	.4		•0	• 1		•	:	.0	,3	
7_	٠,٥	•	• 1	•0	.0	•0	•2		•0			:	•0	•0	•1	
8-	.0	.0	•	•	.0	•2	•		.0			•0	•0	.0		
10-11	•0	.0	•0	•0	.0	•0	•0		.0				•0	.0	ö	
12	.0	.0	•0	•0	.0	•0	•0		.0			•0	٠٥	.0	:0	
13-16	.0	.0	•0	•0	.0	•0	•0		.5			::	.5	.0		
17-19 20-22	.0	.0	•0	•0	.0	•0	•0		•0				• 5	.0	.0	
23-25	.0	:0	•0	.0	ě	.0	.0		ŏ				• 0	.0	.0	
26-32	, ć		.0	.0	Ü	.5	.0		.5				• 9	·C	.0	
33-40	٠٥	:0	.0		.5	.0	.0		.0				•0	. 4	.0	
41-48	.0		.0		.0	•0	.0		.0		0.0		•0	.0	.0	
49-00	ě		.0	.0	.0	.0	.0		.0	. (		•0	•0	.0	.0	
61-70	. 0	.0	. 3	.0	.0	.0	•0	)	•0	• (		•0	•0	•0	.0	
71-86	.0	.0	.0	•0	.0	•0	•0		•0	•			•0	•0	•0	
37+	.0	.0	.0		٠.	•0	•0		.0	. • 9			•0	.0	.0	
TOT PCT	.7	3.9	1.6	-1	.0	•0	6.3	1	• •	1.0		•1	•	•0	3.1	92.1

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-4/	48+	PCT	TOT OBS
<1	11.1	6.8	. •	.0	.0	.0	12.3	
1-2	3.2	28.8	8.2	.0	٠,	.0	40.2	
3-4	.6	12.2	13.2	. 3	.0	.0	20.4	
5-6	•1	2.1	7.3	. 4	•	.0	10.0	
7	.ŏ	.3	2.7			.0	3.5	
8-9	.0	•		. 3	.0	٠,	1.2	
10-11	.0	.1	.1	. 1		.0	.,3	
12	•0	.0	•c			.0		
13-16	.0	•	.0	.0	.0	.0	•	
17-19	.0	.0	.0		.0	.0	.1	
20-22	•0	.0	•0		.0	.0	.0	
23-25	•0	.0	•0			.0	.0	
26-32	.0	.0	•0			.0	.0	
33-40	•0	. č	.0			.0	.0	
41-48	.0	.0	•0			.0	.0	
49-6C	.0	.0	•0			.0	.0	
61-70	.0	.0	•0				•0	
71-86		.0	•0				.0	
87+	.0	.c	.0			.0	.0	
3,14		•••	•••	••	• • • • • • • • • • • • • • • • • • • •	•••	•••	5085
TCT 967	15.0	50.4	32.7	1.8	-1	.0	100.0	2200

PERIOD: (OVER-ALL) 1949-1972 TABLE 19

| PAGENT | PREQUENCY OF MAVE HEIGHT (FT) | VS MAVE PERIOD (SECONDS) | | PRECIDE | PRECI

PERCENT	FREQUENCY	CF	DCCURRENCE	ÚF.	SEA	TEMP	(DEG	*)	84	HONTH	

SEA THP DEG F	MAL	PE8	MAR	APR	PAY	JUN	JUL	AUC	SEP	CCT	NOV	DEC	MPA	PCT
96+	•0	.0	•0	• 0	.0	•0	.0	٠.	•0	.0	.0	•0	0	•0
95/96	•0	.0	.0	.0	.0	• 0	•0	•0	•0	•0	.0	•0	0	•0
93/94	•0	.0	•0	.0		•0	.0	.0	•	• C	.0	•0	2	•
91/92	•0	. 1	•1	• 1	- 1	•2	•0	• 1	•0		•0	•0	21	• 1
89/90	•0	•	• 1	.7	1.5	1.Z	. 6	.3	• 3	• 3	. 3	•0	142	•4
87/88	• 1	•1	.6	5.4	11.6	₹.3	3.2	1.7	2.0	2.7	1.8	• 2	1077	3.3
85/86		1.0	3.6	24.2	37.8	33.0	20.3	13.6	14.2	17.6	10.4	2.3	4941	15.1
M3/84	4.6	4.0	17.9	37.7	35.6	40.1	46.7	48.6	47.4	44.4	32.7	14.0	10300	31.4
81/82	32.7	36.6	47.7	26.5	11.6	14.6	25.9	32.4	31.7	30.5	43.1	42.8	10258	31.3
79/80	37.8	37.1	23.4	4.2	1.3	1.0	2.5	2.5	7.0	3.4	9.2	-9.7	4180	12.8
77/78	10.9	14.9	5.2	.7	•2	• 3	. 4	•6	1.2	. 8	1.7	8.6	1434	4.4
75/76	3.9	3.1	1.2	.2	.2	• 2	. 1	• 2	. 3	• 3	. 3	1.5	312	1.0
73/74	.0	. 6	• 2		.1	• 1		• 1	. 1		. 4	.3	73	•2
71/72	. 3	.4	.0	.0	.0			•0	•0	•0	•	. 4	31	•1
69/70	.1	-1	.0	.0	.0	.0	. 1	•0	• 0	• 0	.0	.1	10	ě
67/68	•0	•	.0	.0	.0	•0	.0	•0	.0	•0	.0	.0	1	•
65/66	•0	.0	.0	.0	.0	•0	.0	•0	•0	•0	.0	•0	0	•0
63/64	•0	•C	.0	.0	.0	•0	• • •	.0	• ?	•0	.0	•0	0	•0
61/62	•0	.0	•0	.0	.0	•0	.0	•0	•0	•0	.0	.0	٥	•0
59/60	•0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	•0	0	•0
57/58	.0	.0	.0	.c	•c	.0	.0	.0	•0	•0	.0	.0	0	•0
55/56	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0	9	•0
53/54	•0	.0	.0	.0	.0	• 0	.0	.0	•0	•0	.0	•0	0	•0
51/52	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0	0	•0
49/50	• 0	•0	.0	.0	.0	• 0	.0	.0	•0	•0	.0	•0	0	•0
47/48	.0	.0	•0	.0	.0	•0	. າ	•0	• 0	•0	.0	.0	0	•0
45/46	•0	.0	•0	.0	•0	•0	.0	•0	•G	•6	.0	.0	0	•0
43/44	•0	.0	.0	•0	.0	•0	.0	•0	.0	•0	.0	.0	υ	•0
41/42	•0	•0	.0	.0	.0	•0	.0	•0	•0	•0	.0	•0	0	•0
39/40	•0	.0	• • •	.0	. 2	.0	٠,	•0	• • • •	•0	.0	•0	0	.0
37/38	•0	.0	•0	. 0	.0	.0	•0	.0	•0	• 0	.0	•0	0	•0
35/36	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0	0	•0
33/34	•6	.0	•0	.0	.0	•0	•0	.0	•0	•0	. 0	.0	0	•0
31/32	•0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	0	•0
29/30	•0	.0	.0	.0	.0	•0	.0	•0	. 2	•0	.0	.0	0	• 9
27/28	•0	•0	•0	.0	.0	•0	.0	٠.0	•0	.0	.0	.0	ō	•0
<27	•0	.0	.0	.0	.0	.0	.0	•0	•0	•0	.0	.0	ō	•0
TOTAL	2640	2437	2842	2739	2854	2784	2640	2703	2722	2790	2740	2691	32782	100.0
HEAN	79.7	79.9	81.3	63.0	84.6	84.3	43.4	83.1	83.1	83.2	82.4	83.7	\$2.4	

TABLE 21

PRESSURE (48		71	RE	5	su		E	(	4	8
--------------	--	----	----	---	----	--	---	---	---	---

			AV	ERAGE	BY HOU	R (GHT	,			
										TUTAL
μn	0000	0300	3600	0900	1200	1500	1800	2100	MEAN	OBS
JAN	1011	1011	1011	1009	1010	1011	1011	1010	1011	1605
PER	1011	1011	1011	1009	1010	1010	1011	1010	1010	1523
MAR	1011	1010	1010	1009	1010	1010	1010	1009	1010	1714
APR	1010	1010	1009	1008	1009	1009	1010	1008	1009	1699
MAY	1009	1009	1009	1007	1078	1009	1009	1008	1009	1722
JUN	1009	1009	1009	1008	1009	1009	1009	1009	1009	1602
JUL	1009	1007	1009	1008	1009	1009	1009	1008	1009	1563
AUG	1010	1009	1009	1008	1009	1009	1009	1008	1009	1612
569	1010	1010	1009	1008	1009	1009	1010	1009	1009	1601
DCT	1010	1010	1010	1008	1010	1010	1010	1009	1010	1729
NOV	1010	1010	1010	1008	1010	1010	1010	1009	1010	1648
DEC	1010	1011	1010	1009	1010	1010	1010	1009	1010	1554
ANN	1010	ioio	1010	1008	1009	1010	1010	1009	1010	19572
									1010	14315
OBS	3546	1376	4541	157€	3054	1160	2790	1501		

#### PERCENTILES

MB	MIN	1%	5%	25%	50¢	75%	95%	992	HAX
JAN	1005	1006	1007	1009	1011	1012	1014	1014	1015
PER	1005	1005	1007	1009	1010	1012	1014	1013	1015
HAR	1004	1005	1007	1009	1010	1011	1013	1013	1014
APR	1004	1005	1006	1008	1009	1011	1012	1015	1014
HAY	1003	1004	1005	1007	1009	1010	1012	1012	1013
JUN	1004	1005	1006	1008	1009	1010	1011	1011	1012
JUL	1004	1004	1006	1008	1009	1010	1011	1012	1013
AUG	1004	1004	1006	1006	1009	1010	1012	1012	1013
SEP	1004	1005	1006	1008	1009	1011	1012	1012	1013
BET	1005	1005	1007	1009	1010	1011	1012	1013	1014
NOV	1005	1005	1006	1000	1010	1011	1013	1013	1014
DEC	1005	1005	1006	1009	1010	1011	1013	1014	1015

JANUARY

PERIOD: (PRIMARY) 1933-1973 (DVFR-ALL) 1867-1973

TABLE 1

AREA 0007 SARAWAK 3,7N 111.8E

			OCCUPACUES.			*******
PERCENT FREQ	UENCY UP	REATHER	STREAMENCE	81	WITE	DIKECTIO

PRECIPITATION TYPE						N TYPE					OTHER	WEATHER	PHEND	HENA	
WND DIR	RAIN	PAIN SHWR	DRZL	FRZG PCPN	SNOW	GTHER FRZN PÇPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THDR LTNG	FOG WB PCPN	FOG WO PCPN PAST HR	HAZE	SPRAY BLWG DUST BLWG SNOW	
N HE SE Su H	4.3 2.2 10.4 11.9 7.8 6.8	1.4 .9 1.0 3.4 8.9 .0	1.6 1.0 1.0 .0 4.4	.000000	.0	.0	•••••	7.2 4.1 12.4 15.3 21.1 6.8 11.5	4.1 3.3 2.0 4.2 3.3 1.7 3.1	.8 2.0 .8 3.3 .0	.00000	.0	•0	•0 •0 •0 •0	87.6 91.0 83.7 79.7 72.2 91.5 77.1
NW VAR CALM	6.0 .0 22.6	.5 .0 12.9	.0 3.2	.0	•0	.0	•0	6.6 .0 38.7	•0	.0	•0	3.2	•0	•0	93.4 58.1
TOT PCT	4.8 919	1.7	1.2	.0	•0	•0	•0	7.7	3.2	1.4	•0	.1	•1	•0	87.5

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	TYPE					STHER	HEATHER	PHENO	HENA	
HOUR (GHT)	RAIN	RAIN SHWR	SR7L	FR7G PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUP	THOK LTNG	FDG YQ PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00003 06009 12615 18621	6.2 3.6 4.2 6.5	2.1 3.6 .8	1.2 .4 2.1	.0	.0	.0 .0	.0	9.5 7.6 7.2 8.3	4.1 3.1 1.7 3.9	.0 3.0 2.6	.0 .0	.0	••	.0 .0 .0	85,5 88.9 88.1 85.2
TOT PCT TOT 0551	5.2 932	1.0	1.2	.0	•0	•0	•c	8.2	3.2	1.4	.0	•1	•2	•0	86.9

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	10 SPE	ED (KNE	275)								HOUR	(GHT)			
WND DIR	0~3			22-33		48+	70TAL 095	PCT FRFQ	MEAN SPD	co	03	96	9	12	15	18	21
N NE	1.2	15.0	9.8 20.8	2.3 2.3	•1	•1		28.5	11.5	25.0 43.0	26.3 46.8	26.8	36.7 48.5	27.3	36.9 47.6	24.0 52.9	26.7 49.0
ε	1.1	3.9	1.2	•	.0	.0		6.3	7.4	9.6	6.4	8.7	3.6	2.8	4.4	5.4	8.0
SE	.5	2.3	.1	.0	•0	.0		2.9	5.5	3.2	6.4	2.2	•0	2.2	1.6	2.4	5.7
5	.2	1.0	.3	.0	•0	.0		2.2	7,4	3.2	2.6	3.4	•0	2.5	1.2	2.4	2.2
Sw	.3		.3	•0	•0	.0		1.5	7.6	1.9	.,	.0	1.4	3.0	. 4	3.2	1.0
W	.4	1.8	. 3	.0	.0	•0		2.5	6.8	3.7	3.2	1.8	2.0	3.0	2.4	1.5	2.7
ЙW	1.0	2.7	1.4		.0	.0		5.1	6.1	3.9	6.6	5.4	6.5	6.5	4.6	4.2	3.4
VAR	.0	.0	.0	.0	.0	.0		.0	-0	•0	•0	.0	.0	.0	.0	.0	•0
CALM	3.1							3.1	:0	6.4	.,	5.3	1.4	3.7	. 8	4.1	.7
TO1 088	121	601	404	55	2	1	1164		10.3	171	117	170	147	161	124	146	146
TOT PCT	10.2	50.8	34.1	4.6	• 2	. 1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	H0U! 06 09	12 15	18 21
٧	4.5	16.3	4.6	1.0	-1		28.5	11.5	25.5	31.4	31.5	25.3
NE	9.9	28.4	9.1	.4	•0		47.8	11.5	44.5	47.4	48.4	50.9
ž	3.2	2.9	3.2	.0	.0		6.3	7.4	8.3	6,3	3.5	7.0
3 E	2.3	. 6	.0	, ŏ	.ò		2.9	5.5	4.5	1.2	1.9	4.0
5	٠,9	1.3	•0	•0	.0		2.2	7.4	3.0	1.0	1.9	2.3
SW	.9	. 6	• `	•0	.0		1.5	7.6	1.5	.6	1.0	2.1
Ŵ.	1.4	1.0	.1	•0	.0		2.5	6.8	3.5	1.9	2.7	2.1
NW	2.3	2.4	.4	.0	.0		5.1	8.1	5.0	5.9	5.7	3.1
VAR	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0
CALH	3.1						3.1	٠.	4,2	3.5	2.5	2.4
TOT OBS	359	636	172	16	1	1184		10.3	288	317	285	294
TOT PET	30.3	53.7	14.5	1.4	٠ì		100.0		100.0	100.0	100.0	100.0

 -		

[MARY] 1933-1973 R-ALL) 1867-1973	TARLE 4	AREA 0007 SARAWAK 3.7N 111.8E

PERCENTAGE	FREQUENCY	ΩF	MIND	SPETD	84	HOUR	(GHT)
. C. Cris. bor	Luckachen	٠.		4.51.0	•		10000

				WIND	SPEED 6	KNOTS			PET	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	HEAM	FREG	085
60300	4.2	7.3	50.0	33.7	4.5	.3	.0	10.1	100.0	280
06609	3.5	8.2	51.7	31.2	5.0	.3	.0	10.1	100.0	317
12615	2.5	7.0	50.2	35.4	4.6	•0	-4	10.4	100.0	285
16621	2.4	5.8	51.0	36.4	4.4	•0	•0	10.4	100.0	294
TOT	37	84	601	404	55	2	1	10.3	•••	1184
PCT	3.1	7.1	50.8	34.1	4.6		٠ì		100.0	

TARLE 5	TABLE

	PCT FR			CLOUD A		(EIGHTHS)		1					CEILIN					
MND DI	0-2	3-4	5-7	e & DBSCD	THTAL CBS	FLOUD COVER	000 149	150 29¢	300 599	600 777	1000	2000 3499	3500 499*	5000 6499	6500 79 <b>9</b> 9	#000 <b>+</b>	NH <5/8 AKY KGT	
N	2.2		10.8	8.8		5.9	•0	• 1	.,	2.7	3.0	1.9	1.1	• •	•6	.0		
NE	5.3	8.0	25.6	7.9		5.4	.4	•0	.,	3.0	6.6	3.5	.9	•6	• 2	• 2	30.0	
E	.4	1.0	7.6	1.9		6.0	•2	• 0	.,	.7		• 3	. 3	•0	•0	.0	3.3	
SE	.2	.4	1.2	•7		5.6	•C	• C	•C	.4	.4		.7	•0	• 0	.0	1.1	
S	.1	.3	1.9	1.3		6.3	•0	.0	• ?	.1	.5	• 2	.2	•0	•0	.0	2.6	
SW	.0	.2	1.1			0.5		•0	.0	.4	.4	•0	.0	• 2	•0	.0	.7	
ŭ	.2	.4	1.1	1.1		6.3	•1	•0	. 2	.5		•0	.0	• 2	•0	.0	1.0	
ЯK	.2		2.1	1.5		6.0	.0		ō	. 6	1.0	• 4	.õ	•0	•0	ě	2.8	
VAR	.0			•0		•0	.0	• 2	ě	.0	.5		.õ	.0	•0	ió	•0	
CALM			1.4	3.2		4,5	• 0		ō	.6	2.2		ō	•0	•0	.0	2.2	
TOT OR			242	136	505		**	• • • • • • • • • • • • • • • • • • • •	iĭ	46	115	35	iě	• • •	• • •	ě	298	506
TOT PC			47.8	20.9	100.0		, i	• 2	2.2	9.1	10.8	7.1	2,8	1.4		.ŏ	58.9	100.0

TARLE 7 CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >0/8) AND VSBY (NH)

				VSBY (NE	1)			
CEILING	• PR	- DR	# OR	■ FIR	• DR	• OR	- OR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• CR >6500					,4	. 8		.8
■ DR >5000	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1
● DR >3500	4.0	4.6	4.6	4.8	4.8	4.6	4.8	4.8
• DR >2000	10.8	12.5	12.5	12.7	12.7	12.7	12.7	12.7
• DR >1000	22.7	28.5	29.7	29.9	29.9	29.9	29.9	29.9
- DR >600	27.2	36.6	38.3	38.5	38.7	38.7	38.7	36.7
• UR >300	28.3	38.7	40.7	40.8	41.0	41.0	41.0	41.0
■ DR >150	28.5	38.9	40.8	41.0	41.2	41.2	41.2	41.2
• DR > 0	29.1	39.7	41.6	41.5	42.0	42.0	42.0	42.0
TGTAL	151	206	216	217	218	218	318	218

PCT FREQ NH <5/81 58.0 TOTAL NUMBER OF OBS: 519

### TABLE 7A

## PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 9 6 7 8 DBSCD DBS 4.1 4.5 14.3 16.8 15.8 11.5 11.4 6.9 12.3 .4 537

PAGE 476

**(** 

(

JANUARY

.;

AREA 0007 SARAWAK 3,7N 111.8E PERIOD: (PRIMARY) 1933-1973 (OVER-ALL) 1867-1973 TABLE . PPRCENT FREQ OF WIND DIRECTION VS DECURRENCE OF ADN-DECURRENCE OF PRECIPITATION WITH VARVING VALUES OF VISIBILITY VAR CALM PCT TOTAL DBS SE NW .0 .0 .1 .2 .0 .2 .1 .1 .2 .3 C1/2 NO PCP TOT X .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .0 .1 .0 .1 .0 .2 .2 •0 .0 .0 .0 .0 .0 .4 .2 .7 .1 .0 .1 .1 .0 .1 .0 .0 .0 .0 .1 .1 .1 .3 .4 .... .0 1.0 •0 .2 .9 1.1 1.0 5.7 7.7 .5

1.6

2.6

TD1 DB5 TD1 PCT 28.0 48.2 5.5 3.2 2.4

TABLE 9

.0 3.4 100.0

			1					ECTION S OF V			ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	S	Sw	۲	PA	VAR	CALH	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<b>&lt;1/2</b>	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	•0	.0	.0	.0	.0		.0	
	TOT \$	.0	•1	•0	.0	•0	•0	.0	.0	.0	•0	.1	
	0-3	.0	٠.6	.0	.0	.0	-0	.c	.0	.0	.0	.0	
1/2<1	4-10	•1	.0	.1	.1	.0	-1	. 1	.0	.0		.5	
	11-21	.0	.0	.0	•0	.0	٠Ō	.0	.0			.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$	-1	•0	•1	•1	•0	•1	• 3	.0	.0	•0	.5	
	0-3	.0	.0	.0	.0	.0	٠.	.0	.0	.0	.0	.0	
1<2	4-10	.1	.0	. 1	.2	.1	.0	.0	.5	.0		.4	
	11-21	-1	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	•0	.0	.0	.0	.0	.0		.0	
	TOT S	•2	.0	•1	.2	•1	•0	.0	-1	.0	•0	, 5	
	0-3	•1	.2	.1	•0	.0	.0	.0	-2	.0	.0	.5	
2<5	4-10	1.3	.7	•1	•1	•1	.0	.2	. 2	•0		2.9	
	11-21	.5		.1	.0	.0	.0	.0	. 2	.0		1.5	
	22+	.3	.0	.0	.0	.0	.0	.0	.0	.0		. 3	
	TOT \$	2.2	1.7	.3	•1	•1	•0	• 3	.6	•0	•0	5.2	
	0-3	.1	.3	.2	•0	•0	.1	.0	.2	.0	.3		
5<10	4-10	2.4	3.1	.,	.,	.5	. 4	.3	.5	.0		8,1	
	11-21	3.3	4.4	•2	•0	.3	• 1	.3	.3	.0		8,9	
	22+	1.6	.5	.0	•0	•0	.0	.0	•	.0		2.3	
	TOT S	7.4	1.3	1.3	•3		.5	.5	1.0	.0	.3	20.4	
	0-3		1.1	.3	.5	.3	.2	.3	.5	.0	2.9		
100	4-10	10.5	18.2	2.7	1.8	1.3	.5	1.4	1.*	•0		38.4	
	11-21	6.2	16.6	, 8	•1	•0	• • •	•0	. 9	•0		24.9	
	22+	. 8	2.3	•1	•0	•0	.0	.0	.0	• 9		3,2	
	TOT %	18.4	38.2	3.9	2.4	1.6	. 9	4.7	3.3	•0	2.9		
	TOT 085												98
•	tat Prt	28.2	48.2	6.7	8.1	2.6	1.5	9.4	8.A	. 6	4.7	100-0	

JANHARY

PERIOD: (PRIMARY) 1933-1973 (OVER-ALL) 1867-1973

TARLE 10

ARÊA 0007 SARAWAK 3.7% 111.8E

## PERCENT FREQUENCY OF CEICING HEIGHTS (FEET/HM >6/6) AND OCCURRENCE OF NM <5/8 BY HOUR

43UR (THD)	000 149	190 299	300 544	494	1000 1999	2000 3449	1500 4949	5000 6499	6500 7999	#000÷	TOTAL	NH C5/8 ANY HGT	
60300	-7	.7	3.5	9.2	20.6	10.6	1.4	3.5	.7	•0	51.1	48.9	141
96340	.0	•0	2.3	10.2	15.6	8.6	3.1		. 9	•6	41.4	58.6	128
:2615	.7	.0	1.5	9.5	11.7	7.3	3.4	•0	1.5	•0	35.8	64.2	137
18621	1.7	•0	1.7	5.8	19.8	4.1	2.5		.0	•0	30.4	63.6	171
TOT	:	1	12	46	. 49	.41	14	. ,	:	9	215	309	527

TABLE 11

TABLE 12

		PERCENT	FREQUENC	¥ V\$8Y	(NH)	BY HOUR		CUMULAT	TIVE PCT CFILIN	FREQ G HGT	OF RAN (FEET)	IGES OF NH >4/8	CHAT LAW!	AND/OR
HBUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HDUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00203	.4	.4	.4	4.7	20.1	74.0	254	<b>€0300</b>	.7	5.7	16,4	34.4	47.1	140
96609	•0	.8	••	4.1	16.3	78.4	245	90300	•0	4.0	14.3	29.4	56.3	126
12615	.0	•0	•0	6.0	21.4	72.6	252	12615	.7	2 • 2	12.7	24.6	62.7	134
18621	•0	. 8	1.2	5.7	23.4	68.9	244	10221	1.7	3.4	14.3	22.7	63.0	119
TOT PCT	.1	.5	.5	51 5.1	202	731 73.5	995 100.0	TOT PCT	. 6	70 3.9	75 14.5	148 28.5	296 57.0	519 100.0

-48.6 13

				1	ATLE 1	,									TABL	E 14				
	PERC	ENT FF	EQUENC	Y OF R	EČATIV	E HUMI	DITY B	Y TEMP	TOTAL	рст		PERC	ëH <b>T FA</b>	EOUENC	Y 0F W	IND DI	RECTIO	N 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	20-89	90-100		PREG	N	HE	Ε	58	\$	SW	ul	NW	VAR	CALM
85/89 80/84	.0			.0	.4	2.7	.9	•2	19	4.2	.4	2.8	. 8	.2	.0	.0	.0	.0	.0	.0
80/84	.0			.0	1.4	2.7 15.8	34.6	6.7	253	58.7	12.9	35.9	2.3	1.5	1:6	.9	:9	1.3		1.3
75/79	.0			•0				13.6	155		10.0	11.9	2.1	. 9	1.4	1.0	1.6	.0 1.3 2.3	••	3.3
70/74	.0						1.1	1.1	ii	2.5						0	1.0	***	.0	1.3
TOTAL	ò					101	230	97		100.0	• •	•-		•••	••	••	••	• •	••	4.5
PCT	•0		• • •	٠ŏ		22.5			•••		23.8	51.1	5.1	2.7	3.0	1.9	2.5	3.9	.0	6.0

7401 E 16

				TAB	LE 15									TABLE	16			
	HEANS,	EXTREM:	ES AND	PERCEN	TILES	OF TE	4 <b>P</b> (DE	G F) 8	Y HOUR		PERC	ENT FRE	GUENCY	OF RELA	TIVE H	YTIDIKU	BY HOUR	
HOUR (GHT)	MAX	99%	95%	50%	54	14	MIN	HEAM	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90+100	MEAN	TOTAL
00803	86	85	83	80	75	73	72	79.8	294	00203	.0	.0	•0	12.9	58.6	28.4	86	116
06609	91	89	86	81	77	75	72	81.2	312	90360	•0	.0	7.4	36.1	41.7	14.8	81	106
12615	85	84	83	81	77	75	73	80.1	287	12615	.0	.0	2.4	20.2	53.2	24.2	14	124
18621	84	83	82	80	75	73	72	79.4	294	18621	iŏ		. 9	19.6	56.3	23.2	85	112
TOT	91	86	14	81	75	73	72	80.2	1189	101	.0	• • •	iż	101	263	105	- 12	440

JANUARY

PERIOD: (PRIMARY) 1933-1973 (DVER-ALL) 1867-1973

TABLE 17

AREA 0007 SARAWAK 3.7N 111.8E

PCT FAFO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIP-SEA 49 73 77 41 85 89 TOT 4 47

AIR+SEA TMP DIF	49 72	73 76	77 80	#1 #4	85	89 92	707	FÖG	≠06 40
9/10	.0	.0	۰.	.0	.1	.0	1	.0	.1
7/8	•0	• 1	.1	.1	-1	.0	4	.0	.5
	.0	.0	.0	.0	.2	•:	3	.0	.3
5	.0	•0	.0	.3	-6	•0	8	-0	.9
4	•0	•0	.3	2.5	.6	•0	30	•0	3.4
3	.0	•0	.7	.7	• 2	•0	14	•0	1.6
Ž	.0	•0	. 8	7.3	. 3	•0	74	•0	4.4
ī	-ŏ	• 2	.9	2,9	.3	• 0	38	•0	4.3
3 2 1 0	.0	.7	7.3	17.9	. 3	•0	230	•0	26.2
-1	.i	.6	4.0	4,4	.0	•0	#0	•0	9.1
-ž	.0	.7	13.7	10.8	٠.	.0	221	.0	25.2
-3	•1	. 6	2.7	. 0	• 0	.0	38	•0	4.3
-4	.0	. 9	5.5	2.2	.0	.0	75	•0	8.6
-5	.2	1.3	1.9	.3	.0	•0	33	.0	3.5
-6		1.0	.5	.1	.3	•6	14	•0	1.6
-7/-8	.0	.7	.3	.2		.0	ii.		1.3
-9/-10	.1	•1	.1	. 6	.0	.0	- 3	•0	.,3
TOTAL	•	••	341	• •	25	••	•		877
	•	60		445		1	877	٠	•
PCT		6.8	38.9	50.7	2.9	.1	100.0		100.0

PERICO: (OVER-ALL) 1963-1973

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT (1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-12 23-25 24-32 41-48 49-40 61-70 71-86 507 PCT 1-3 ****************** 4-10 9.0 11.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1...3 11-21 ••••••••••••••• HGT <1 1-2 2-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 28-23 28-80 41-48 49-60 61-70 71-86 67-70 PCT 1-3 4-10 

4-10 4-10 1.2 1.2 1.0 1.0		\$ 22-93 .0 .0	7 FREQ 34-47 .0	OF WIND	PCT		e (CONT) ND DIREC	TION 1	VERSUS S	EA HEIG			M 111	.46
1.2 1.2 .5 .0	11-21 .0 .5 .0	5 22-33 .0 .0	34-47	48+	PCT	(KTS) A		TION	vERSUS S		HTS (FT			
1.2 1.2 .5 .0	11-21 .0 .5 .0	5 22-33 .0 .0	34-47	48+	PCT							•		
1.2 1.2 .5 .0	11-21 .0 .5 .0	.0 .0 .0	.0											
1.2	•0	•0		٥.			1-3	4-10	11-21	22-33	34-47	48+	PCT	
.5	•0	•0	.0		.4		.5	•0	.0	.0	•0	.0	.5	
.0	•0			•0	1.7		•0		.5	•0	•0	•0	.,	
.0			.0	•0	• 5		.5	1.3	.5	•0	•0	•0	2 • 1	
	-0	•0	.0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
		.0	.0	.0	•0		.0	-0	.0	.0	40	.0	•0	
	•0	.0	.0	•0	.0		•0	٠,	•0	•0	•0	.0	•0	
	•0	•0	.0	.0	•0		•0	•0	.0	•0	•c	.0	•0	
	.0	.0	.5	.5	.0		. 5	.0	.5	.0	•0	.ŏ	ě	
	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0		•0	
.0	.0	.0	.0	•0	.0		• 2	•0	.0	.0	•0	.0	.0	
۵.	.0	.0	.0	.0	.0		•0	•0	.0	.0	•0	.0	•0	
2.1	.5	•0	•0	•0	2.6		1-1	1.5	1.1	•0	•0	•0	3.6	
										w.				TOTAL
4-10			34-47	48.	PCT		1-3	4-10	11-21		34-47	46.	PCT	PCT
											• •			
	•0	•0		.0				1						
	•0	.0	.0	.0	.0		. 5	•0	1.1	.0	• 0	.0	1.1	
.0	.0	•0	.0	.0	•0		•0	•0	•0	.0	•0	.0	•0	
0	.c	.0	.0	.0	.6		.0	•0	.0	-0	•0	.0	•0	
	٠٠	•0	.0	•0	•¢		•0	•0	.0	.0	•0	.0	•0	
	•0										•0		•0	
								.0						
	•0	•0	.0	•0	1.9		1.2	1,3	1.1					97.4
	4-10 -5 -8	-0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -	-0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -	-0	.0	.0	-0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -	.0	-0	.0	-0	-0	-0	-0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	?2-34	34-47	48+	PCT	TOT
<1	6.3	3.7	.5	.0	.0	.0	10.5	280
1-2	2.6	17.3	5.8	ō	.0	.0	25.7	
3-4	2.1	14.7	17.8	ŏ	, č	.ö	34.6	
5-6	0	2.1	12.6	2.6	.0	.0	17.3	
7	.0	.,5	4.2		.0	.ŏ	5.2	
1-7	•0	.0	. 5	.5	.0	.0	1.0	
10-11	•0	•0	2.1	.5	.0	.0	2.4	
12	.0	•0	•0		.0	.0	.5	
13-16	•0	•0	.5	.0	.0	.0	.5	
17-19	.0	.0	.0		.0	.0	.5	
20-22	.0	.0	.5		.0	.5	1.6	
23-25		.0	.0	.0	.0	.0	•	
26-32	.0	.0	ö	.0				
33-40	•0	•0	•0		.0	.0	•0	
41-48	•0	•0	•0	•0	•0	.0	.0	
49-60	-0	•0	•0	.0	•0	-0	.0	
<b>41-70</b>	•0	•0	.0	.0	.0	.0	.0	
71-86	.0	.0	•0		.0	.0	.0	
874	.0	.0	.0	ŏ	.0	.0	.0	
3,1	••	••	••	••	•••	••		191
TOT PCT	11.0	38.2	44.5	5.8	.0	.5	100.0	• • • •

PERIO	) (DV	ER-ALL	) 194	9-197	3				T	BLE	19											
					PERCENT	FRE	OUENCY	0F 1	AVE	HEIG	SHT LE	T) VS	MAYE P	ERIOD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13	-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71+86	87+	TOTAL	MEAN HGT
<6 6−7	3.6	12.3	14.7	7.7 10.5	3.3	1.3	3.6	,	3	.0	.0	.0	•0	.0	.0	••	.0	.0	.0	.0	165 135	3 6
8-9 10-11	:0	:0	1.0	2.8	4.1	2:3	2.1		3	.0	:3		.0	.0	.0	:8	.0	:0	.0	:8	52 9	10
12-13 >13	.0	.0	.0	.0	.0	.0	.0		0	:0	:0	:3	•0	.0	•0	.0	:0	.0	.0	.0	1	21
INDET TOTAL PCT	2.3 24 4.2	2.6 66 16.9	1.3 97 24.9	.5 85 21.8	16.9	.0 15 3.8	.0 27 6.9		2	.0 2 .5	.0 3	.0 3	.0 0	•0	••	•0	.0 0	.0 .0	.0	• • • • • • • • • • • • • • • • • • • •	27 390 100.0	5

PAGE 480

•

PERIOD:	(PRIMARY)	1933-1973
	(OVER-ALL)	1997-1973

TABLE 1

AREA 0007 SARAWAK 3.7N 111.7E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECT	PERCENT	NT FREQUENCY D	F WEATHER	DCCURRENCE	BY	WIND	DIRECTIO
--------------------------------------------------------	---------	----------------	-----------	------------	----	------	----------

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WNO DIR	RAIN	RAIN	DRTL	FRZG PCPN	SHOW	DTHER FRZK PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THER LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	ND Sig Wea
N	4.2	1.0	1.4	.0	.0	.0	.0	6.2	3.7	.0	1.3	,0	1.0	1.5	86,3
NE	3.2	. 9		.0	.0	.0	.0	4.8	1.0	.7	•1	.0	.2	.0	92.4
E	.0	.0	3.2	.0	•0	.0	.0	3.2	1.9	.0	•0	.0	.0	.0	94.9
SE	1.6	6.3	3.1	.0	.0	.0	.0	10.9	.0	6.3	.0	.0	•0	.0	82.8
Š	17.9	.0	10.3	.0	•0	.0	.0	28.2	17.9	.0	.0	.0	.0	.0	53.8
Š'n	.0	.0	.0	.0	.0	.0	.0	•0	2.5	.0	•0	.0	•0	•0	97.5
W	22.7	.0	.0	.0	•0	.0	.0	22.7	•0	.0	•0	.0	•0	•0	77.3
ÑÞ	6.5	5.4	.0	.ŏ	•0	.0	.0	12.0	•0	, ŏ	.5	.o	.0	.0	88.0
VAR	.0	.0	.0	.0	•0		.0	•0	•0	.0	• 0	.c	•0	.0	.0
CALM	3.1	.0	9.4	, n	•0	•0	•0	12.5	.0	.0	.0	,0	3.1	•0	84.4
TOT PCT	3.7 775	1.0	1.5	.0	•0	•0	•0	6.2	2.3	.5	.4	•0	.5	• •	89.7

TARLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			_												
			•	RECIPI	TATIU	4 TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHUR	DRZL	FRZG PCPN	SNOW	DTHER FRZN FCPN	MAIL	PCPN AT OB TIME	PCPY PAST Hour	TPOR LTNG	FOG VO PCPN	FOG NO PCPN PAST HR		SPRAY SLWG DUST BLWG SNOW	
00603 06609 12615 18621	7.5 1.5 2.9 3.1	1.0 1.0 .5 1.5	3.0 1.5 2.4 2.6	.0	••	.0	•0	10.9 4.1 5.8 7.2	4.0 2.4 1.0 1.5	.5 .5 1.0	.5 .0 1.0	.0	1.0 .5 .0	.0 .5 .0	#3.1 91.8 92.7 87.6
TOT PCT	3.8	1.0	2.4	.0	•0	•0	•0	7.0	2.3	.5	.5	.0	.5	.4	#8.B

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w1!	ID SPE	ED (KN	DTS)								HOUR	(GHT)			
WND CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL Das	PCT FREQ	MEAN SPD	00	03	06	09	12	15	16	21
NE NE	1.8	12.9 25.6	9.5 26.7	1.5	•0	•0		24.9 56.4	10,3	19.8 54.4	21.2 57.7	26.4 57.1	28.8	28.2 53.8	30.3 55.3	23.4 58.6	22.0 56.9
E Se	.9	3.3	.,	.0	•0	.0		5.1 2.0	7.5	6.4 3.9	7.9 3.6	5.8	2.7	1.4	3.0	3.2	7•1 3•2
Š	:1	.,9	ä		ě	.ŏ		1.2	6.8	3.0	1.5	2.2		1.0	•0		7.3
\$w	• 2	.7	-1		•0	•0		1.0	5.5	.5	1.5	.7	1.9	•2	•0	1.5	2.0
W No	1.0	2.3	.3	.0	.0	:0		3.6	4'.9 5.7	2.5	2.0	2.4	1.3	1.3	5.8	3.5	1.2
VAR					۰٥			7.0	.0	.0	2.0	.0			••	ة. َ	.0
CALP	4.7				_	_		4.7	9.7	7.5	4.1	4.3	1.5	4.5	2.0		4.0
TOT CBS	127 12•2	500 47.9	395 37.0	2? 2.1	•0	•0	1044	100.0	741	159 100.0	100.0	138 100.0	132 100.0	197	99 100•0	137 100.0	124 100•0

TABLE 3A

WND DIR	0-6		SPEED 17-27		41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	HDU: 06 09	(GHT) 12 15	18 21
H HE E	6.8 12.4 2.5	14.4 35.5 2.4	3.7 8.1	•0	:0		24.9 56.4	10.3 11.1 7.5	20.3 55.6 7.0	27.6 57.6	29.0	22.7 57.8
5E 5	1.2	 	•2 •0	•0	.0		5.1 2.0 1.2	5.9	3.8	4,3 .2 1,3	3.9 2.1	5.4 1.9
SW W NW		.2 .3 1.1	•0	•0	.0		1.0 1.1 3.6	5.5 4.9 5.7	1.0	1.3 1.0 3:8	1.0 5.5	1.7
VAR CALH	4.7	•0	•0	•0	•0		4.7	.0	.0 6.2	3.0	3.5	4.1
TOT DAS	336 32.2	579 58.5	125 12.0	.‡	٥.	1044	100.0	9.7	257 100.0	270 100.0	100.0	201 100.0

FEBRUARY

PERIOD: (PRIMARY) 1933-1973 (OVER-ALL) 1907-1973 TABLE 4
----------------------------------------------------------

AREA 0007 SÁRAWAK 3.7N 111.7E

FRCFNTAGE	FREQUENCY	CF	WIND	SPEED	BY	HOUR	(GHT)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN		OBS
£0300	6.2	6.6	48.6	36.6	1.9	.0	.0	9.6	100.0	257
90360	3.0	7.8	48.9	37.3	1.1	•0	.0	9.9	100.0	270
12615	3.5	7.8	46.1	39.5	3.1	.0	.0	9.9	100.0	256
18221	6.1	7.7	47.9	36.0	2.3	•0	.0	9.5	100.0	261
TOT	49	78	500	395	22	Ö	0	9.7	••••	1044
PCT	4.7	7.5	47.9	37.8	2.1	•e	.0		100.0	

TABLE (	6
---------	---

TABLE 5												TA	BLE 6					
P	CT FRE			LOUD A		EIGHTHS)		1	PERCEN	TAGE #	REGUEN CURREN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH >	14/8) 3N	
WND DIR	0-2	3-4	5-7	3 & 035CD	TCTAL CBS	MEAN CLOUD COVER	000 149	150 290	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N_	3.6	4.4	10.1	7.3		5.6	.0	.0	.0	2.6	3.6	1.8	1.3	•0	.0	.0	16.2	
NE	6.5	11.6	25.4	14.1		5.5	.5	• 3	1.5	3.1	7.7	5.5	. 5	•0	•0	•0	36.3	
E	. 5	.7	5.9	.4		5.5	•0	-0	•0	. 2	.3	• •	• 3	•0	•0	.0	3.4	
SE	•0	. 3	1.3	.4		6,5	,	•0	•0	.5	.3	•8	.0	•0	•0	•0	• •	
S	.0	.0	.9	.8		7.Z	•0	•0	.4	.4	.3	. 2	.0	•0	•0	.0	.4	
SW	.3	.3	.1	.0		2.4	•0	.0	. 1	.0	.0	• •	.0	•0	.0	.0	.5	
¥.	.0	.0	•0	.5		8.0	•0	•0	.3	.0	. 3	•0	.0	.0	.0	.0	.0	
ÑW	. 4	.0	.6	.6		5.5	•0	.0	.0	.1	.4	•3	.0	•0	•0	.0	. 0	
VAR	.0	.0	.0	·ò		.0	•0	•0	.0	.0	.0	• 0	.0	.0	• 0		•0	
CALH	1.5	. 8	2.0	1.6		5.1	•0	• 0	.0	1.0	1.0	• 3	. 3	.0	•0	.0	3.5	
TOT DES	51	72	173	104	400	5.6	• • • • • • • • • • • • • • • • • • • •	• • •	Ĭ,	32	63	37	io	ŏ	ŏ	ŏ	246	400
TOT PCT	12.8	18.0	43.3	26.0	100-0		. 5	• 3	2.3	8.0	15.8	9.3	2.5	•0	•0	•0	61.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	)			
CEILING	■ OR	• DR	• OR	• DR	- CR	• DR	= OR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.5	.5	.5	.5	.5	.5	.5	.5
■ DR >5000	.5	.5	.5	.5	.5	.5	.5	.5
■ DR >3500	1.7	2.4	2.9	2.9	2.9	2.9	2.9	2.9
■ DR >2000	7.0	10.6	12.0	12.0	12.0	12.0	12.0	12.0
# DR >1000	18.8	25.7	28.6	28.6	28.6	28.6	28.6	28.6
■ DR >600	24.8	33.2	36.5	36.5	36.5	36.8	34.8	36.8
■ OR >300	26.0	35.1	39.2	39.2	39.2	39.4	39.4	39.4
■ DR >150	26.2	35.3	39.4	39.4	39.4	39.7	39.7	39.7
# CR > 0	26.4	35.4	39.9	39.9	39.9	40.1	40.1	40.1
TOTAL	110	149	166	166	100	167	107	167

TOTAL NUMBER OF OBS: 416

PCT FREQ NH <5/81 59.9

TABLE 7A

#### PERCENTAGE PREQ OF CON CLOUDS (EIGHTHS)

0	1	2	3	4	•	٠	7		038CD	TOTAL
5.2	7.3	16.8	15.6	14.5	9.3	12.7	7.0	11.3	•2	441

FEBRUARY

PERIUDI (PRIMARY) 1933-1973 (OVER-ALL) 1907-1973 TABLE 8 3.7N 111.7E

		P	ERCENT	PREC (	OF WIND	DIRECTION WIT	TICH Y	ING V	URRENC! ALUES I	E OR N	ON-000	URRENC Y	E OF
VSBY (NM)			NF	,E	Sā	s	Sw	¥	NH	VAR	CALM	PCT	TOTAL
	PCP	- 1	.0	,0	.0	.0	.0	.0	.0	.0	.0	.1	
<1/2	NO PCP	. 1	. 1	٠.	•0	• 0	• 0	.0	.0	.0	•0	.1	
	TOT &	. 2	. 1	.0	.0	•0	• 6	.0	.0	.0	•0	, 3	
	PCP	.0	. 1	.0	.0	•0	•0	.0	.0	.0	.0	.1	
1/2<1	ND PCP	.0	.1	.0	•0	.0	•0	,0	.0	.0	.0	.1	
	TOT 3	, c	. 3	.0	.0	.0	•0	.0	.0	.0	.0	.1	
		.0	.0	, 1	.1	•0	•0	.0	.0	.0	•0	:1	
1<2	NO PCP		. 5	.0	• 0	• 0	• 5	.0	.0	.0	.0	. 1	
	TOT %	.1	.0	•1	•1	•0	•0	.0	•0	.0	•0	.3	
	PCP	,4	.8	.0	•0	•0	•0	.1	.0	.0	.0	1.3	
2<5	NO PCP	.4	1.8	• 2	•0	• 0	• 1	.1	. 3	•0	• 1	3.0	
	TOT \$	.8	2,5	.2	.0	.0	. 1	.1	. 3	.0	.1	4,3	
	PCP	.5	.9	.0	.1	•0	•0	. 2	. 2	.0	.0	1.9	
5<10	NO PCP	5.6	10.9	.9	.6	• 3	• 2	.1	.5	•0	• 5	19.6	
	TOT \$	6.1	11.5	.9	. 8	.3	•?	.3	•7	.0	.5	21.5	
	PCP	.6	.8	.1	•	.4	•6	.0	•2	.0	.5	2.6	
10+	NO PCP	17.9	41.0	3.5	1.2	. 6	1.0	٠,٩	1.5	•0	3.0	70.8	
	TOT %	10.1	41.5	3.9	1.2	1.0	1.0	.9	2.0	•0	3.5	73.4	
	TOT DBS												77
	TOT PCT	25.3	56.5	5.0	2.1	1.3	1.9	1.4	3.0	•0	4.2	100.0	

TABLE 9

													_
VSBY (NH)	SPD KTS	N	NE	£	SE	S	S =	4	Nd	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	٠.	• 0	•0	•0	٠.0	• 0	.0	.0		٠.	
	11-21	.2	.1	•0	.0	•0	.0	.0	.0	•0		.2	
	22+ TDT \$	.0	.0	.0	٥.	.0	.0	.0	.0	.0	.0	.0	
	101 4	••	••	••	••	••	••	••	••	••	••	••	
	0-3	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	• 0	•0	•0	••	•0	.0	• 2	.0	.0		:0	
	11-21	.0	٠.	•0	•0	.0	:0	.0	.0	.0		• • •	
	22+	.0	. 0	•9	•0	•0	.0	.0	.0	-0		.0	
	TOT \$	.0	•5	•0	.0	•0	-0		•0	•0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	٠,٥	.0	.0	.0	
1<2	4-10	.1	.3	• 1	•2	•0	.0	• •	. 0	•0		.6	
	11-21	- 1	- 1	•0	•0	•0	•0	•0	٠.	•0		.2	
	22+	.0	.0	• 0	•0	.0	•0	.0		•0		.0	
	TOT \$	•2	.4	•1	•2	•0	.0	.0	σ.	•0	•0	, 8	
	0-3	.1	.3	.1	.0	.0	.1	-1	. 1	.0	-1	.,	
2<5	4-10	.6	1.4	•0	•0	.0	. ၁	.1	. 4	.0		2.5	
	11-21	.,	1.8	• 1	•0	.0	. 2	.0	٠.	.0		2.7	
	22+	.1	. • •	•0	•0	.0	٠,	.0	٠.	٠,٥	_	.5	
	TOT \$	1.6	3.8	•2	•0	•0	-1	.2	.5	.0	.1	6.6	
	0-3	.2	.5	.3	.2	.1	٠.	.1	.1	.0	.5	2.0	
5c10	4-10	2.1	4.9	.4	.4	•1	.2	.2	.3	.0		1.5	
	11-21	2.9	4.8	•2	.1	.0	.0	.0	. 2	.0		8,2	
	22+	.2	- 6	•0	•0	•0	.0	.0	.0	•0	_		
	TOT \$	5.5	10.7	. 2	.7	•2	.2	•2	. 0	•0	.5	19.6	
	0-3	1.3	1.9	.6	•2	.1	.1	. 2	.3	.0	3.0	1,5	
10+	4-10	10.3	16.9	2.4	.9	.7	.7	. 6	1.6	.0		34.2	
	11-2:	6.2	21.1	.4	•	.2	•1	-1	-1	•0		28.2	
	22<		. 8	•0	•0	•0	.0	•0	.0	•0		1.2	
	TOT \$	16.2	40.6	3.5	1.2	1.0	.9	.9	2.0	•0	3.4	72.0	
1	OT OBS												849
•	OT PCT	25.7	56.5	4.6	2.1	1.2	1.8	1.3	3.1	.0	A . A	100.0	

		FEBRUARY		
PERIODI	(PRIMARY) (OVER-ALL)	TABLE 10	AREA 0007	SARAWAK 3.7N 111.7E
		PERCENT FREQUENCY OF CELLING HEIGHTS (FEET, NH >4/8	) AND	

HOUR (GHT)	000 149	190 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH C5/8 ANY HST	TOTAL DBS
20203	.9	•0	4.4	9.7	23.0	9.7	:9	٠,	. 2	•0	48.7	51.3	113
<b>90360</b>	.0	.9	2.7	9.9	17.1	4.1	3.6	.0	.0	•0	42.3	57.7	111
12615	.0	•0	.,	5.5	11.9	13.6	1.8	.0	.0	1.8	35.8	64.2	109
18621	1.0	.0	2.1	6.2	11.3	4.1	3.1	.0	.0	.0	27.8	72.2	<b>∳</b> 7
707	2	1	11	34	69	39	10	0	0	2	168	262	430

				TABLE 1	1						TABLE	12		
		PERCENT	FRPQUE	NCY V <b>SB</b> Y	(NH)	BY HOUR		COMULAT					VSBY (NH)	
PTUR LL MT3	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TUTAL DBS
60300	, 5	.0	.•	6.4	18.3	73.9	218	00203	.•	5.4	17.1	31.5	51.4	111
<b>9</b> 0360	1.4	.5	.*	5.6	14.0	77.6	214	96360	.0	4.6	16.7	26.9	56.5	10#
12615	.5	.5	1.4	6.3	17.8	71.6	222	12615	٥٥	1.0	9.7	28.2	62.1	103
18621	.,	.0	4ô	7.9	25.0	66.2	216	18621	1.1	3.2	16.0	14.9	69.1	94
TOT PCT	,8	.2	.7	57 6.6	168	629 72.3	\$70 100.0	TOT PCT	,2	15	14.9	107 25.7	247 59.4	416

				T	ABLE 1	•									TABLE	14				
	PERC	ENT F	REQUENC	Y OF R	ELATIV	HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y DF W	ND DI	RECTIO	N BY T	EMP	
TEMP P	0-21	30-3	9 40-49	50-59	40-69	70+79	80-89	90-100		FREG	N	HE	E	SE	S	\$W	W	HW	VAR	CALM
85/89 80/84 75/79 70/74 TOTAL		} •	0 .0	•0	 	1.7 19.1 3.7 .0			208 136 3 396		14.9 7.0 .3	2.0 36.3 18.3	3.0 2.2 .2	2.0 2.0	1.1	.0	.5	.1 .9 1.3 .0	.0	1.7 5.3
PCT	,	•	0 .3	•0	2.0	24.4	49.4	23.5			22.3	50.7	5.5	2.0	1.9	.7	1.3	2.3	.0	7.3

				TAI	ILE 15	i								TABLE	16			
	HEAMS,	EXTREM	ES AND	PERCE	TILES	OF TER	IP (DE	(G F) [	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	Y7101HU	-	t
HOUR (GHT)	MAX	992	754	502	St	14	MIN	MEAN	TOTAL DBS	HOUR (GHT)	0-29	30-59	40-49	70-79	80-89	90-100	MEAN	TOTAL
00603 08609 12615 18621 TOT	90 87 84 82 90	86 83 81	84 85 82 81 84	81 81 80 79	76 77 77 75 76	73 73 73 73 73	72 73 72 72 72	80.1 81.1 60.0 79.7	257 270 258 269 1054	00803 04809 12815 18821 707	.0 .0 .0	1.1 .0 .0	2.2 3.4 2.0 1.0	16.5 35.6 29.3 14.3	44.0 42.5 49.5 54.1	37.4 17.2 19.2 30.6	86 81 86 86	065 91 87 99 98 375

PACE 484

( '

FEBRUARY

PERIODI (PRIMARY) 1933-1973 (OVER-ALL) 1907-1973 TABLE 17 PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

PCT

AREA 0007 SARAWAK 3.7N 111.7E

99.7

: ر

AIR-SEA TEMPERATURE DIFFI

69 73 77 81 85
72 76 80 84 88

.0 .0 .0 .0 .1 .0
.0 .0 .4 .1 .0
.0 .0 .3 .0 .1
.0 .0 .0 .1 .0
.0 .0 .4 .4
.0 .0 .3 9.6 1.1
.0 .0 .0 1 .0 .3
.0 .0 1 9.3 1.1
.0 .0 .0 1.5 9.7 1
.0 1.5 9.0 18.4 .0
.0 .3 6.8 9.6 .1
.0 1.5 9.0 18.4 .0
.0 .3 6.8 9.6 .1
.0 1.9 10.1 6.1 .0
.0 1.4 3.0 1.4 .0
.0 1.4 3.0 1.4 .0
.0 1.4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 4 8.0 1.0 .0
.1 5 56 380
.5 7.7 40.0 49.2 2.5 TOT AIR-SEA TMP DIF #06 FOG 11/13 9/10 7/8 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6 -7/-8 .1 .5 .4 .1 .2 1.2 11.1 5.3 28.8 10.8 18.2 4.8 7.7 2.0 1.5 1.0 732 100.0 .3

PERIOD: (DVER-ALL) 1963-1973

				•c	T PREG D	F WIND	SPEED	(KTS) AND DIREC	TIGH V	ERSUS S	EA HEIG	HTS (FT)		
				N				1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	41.	PCT 2.5	.5	1.2	.0	•0	-0		1.7
<1	• 0	2.5	0	•0	•0	.0	4.8	1.1	6.3	2.4	.0	•0	ŏ	9.7
1-2	.5	2.9	1.3	•0	.0	.0	13.0		4.9	14.2	.7	.0		20.3
3-4	.0	7.3	3.5	:\$	.0	.ö	4.5	.0	.5	8.2	1.6	•0	.0	10.4
5-4	.0	.5		:0	.0	.0	7.0	.0	1.6	6.9	3.2	•0	.0	31.7
.7_	•0	.0	•0	.0	•0	:6	.0	ŏ	Ğ	.,5	0	.0	ŏ	
8-9	٠0	.0	•0	1.1	.0		1.1	ŏ		2.1	.5	•0	.0	3.2
10-11	.0	.0	•0	•••				•0	.0	~;i	.0	•0	.0	•1
12 13-16	.0	:0	•0	.0		:0	.0	• 6	, ŏ			•0	.õ	•0
17-19	:0	:0	.0	.0	.6			.0	Ü	, o	.0	•0	.0	•0
20-22	.0		•0	.0			•0	.0	.0	.0	.0	•0	.0	•0
23-25	.0				.0	•0	.0	.0	.0	.0	.0	•0	.0	•0
26-32	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	•0
33-40				.0	.o	.0	.0	.0	-0	.0	•0	•0	٠.	•0
41-48	.0	.0	•0	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
49-40		.0	.0	.0	.0	.0	.0	•0	•0	•0	•0	•0	•0	•0
61-70	.0	.0	•0	•0	.c	.0	•0	•0	.0	.0	.0	•0	.0	.0
71-06		.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	•0	•0	.0
87+	.0	.0	•0	•0	.0	•0	•0	•0	0	.0	0	•0	.0	0
TOT PCT	. 5	13.3	10.1	2.0	•0	•0	25.9	2.1	15.0	34.6	6.0	•0	.0	57.7
				E					4-10	11-21	5E 22-33	34-47	48+	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	173	4010	.0	.0	•0		. 5
<1	1.1	.0	•0	٠٥.	.0	.0	1.1			.0	:0	.0	ö	.5
1-2	.0	1.3	•0	.0	.0	٠.	1.3	.0			::	ŏ	.ŏ	:1
3-4	1.1	.5	•0	.0	.0	•0	1.6						.0	.1 .5
5-6	•0	•0	.5	••	•0	:0		ö	.5		.0	•0	.0	. 5
7	.0	.0	•0	.0	.0	:0		.0	.0		• • •	•0	.0	•0
	•0	.0	•0	.0	.0	:0	.0	.0				•0	.o	•0
10-11 12	.0	.0	• •	.0	.0		.4	.0	.0	• • •	• 0	•0	•0	•0
13-10	:0	:0		.0	•0			•0	•0	•0	•0	•0	•0	•0
17-19	.0		•0	.0		.0		.0	.0	.0	.0	•0	:0	•0
20-22	:0		•0			•0		•0	.0	•0	•0	•0	•0	•0
23-25	:ŏ		•0		.0	•0	•0	.0	.0	.0	•0	•0	.0	•0
26-32		.0	•0	.0	.0	٠Õ	.0	.0	:0	.0	.0	•0	.0	•0
33-40			.0	.0	.0	•0	.0	.0	•0	•0	.0	•0	.0	•0
41-48	.0	•0	•0	•0	•0	.0	.0	•0	•0	۰٥	•0	•0	•0	•0
49-00			.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	•0	•0
61-70	.0	.0	•0	.0	.0	.0	.0	•0	•0	•0	•0	•0	.0	•0
71-86	.0		•0	.0	.0	.0	.0	•0	•0	.0	.0	•0	•0	•0
87+	.0	.0	و.	.0	.0	.0	•0	• o	.0	•0	.0	•0	•0	2.3
TOT PCT	2.1	1.9	. 9	•0	.0	•0	4.9	•0	2,3	•0	•0	•0	•0	2.7

PERIOD:	t G v E t		1043 1	073				1	FEBRUARY				4054	0007 5		
SEKTOD:	(UVE)		1403-1	413				TABLE	18 (CCNT	,			PREA		N 111.	.7E
					7 5850			/WTE1	AND DIRE	e7166 U			/ETL			
				-	1 FREU	OF MIND	37660	(1137	ANT DINE		EK303 3	EM HETC	וויין ביות			
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-9	4-10	11-21	22-33	34-47	48.	PCY	
<1	٠.٥	0.	.0	.0	.0	•0	.0			.0	.0	.0	.0	.0		
1-2	٥٠	.ŏ	.4	.ŏ	ě	-0	.4		ŏ		.ĭ	:3	.5	ö	ij	
3-4	٠.	. 4	.0	.0	.0	•0	. 4		iō	.0		.0		.ŏ	ö	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	.0	
7	.0	.0	•0	.0	•0	•0	.0		•0	•0	.0	•0	• • •	.0	•0	
8-9	.0	.0	•0	.0	.0	-0	•0		•0	•0	· O	-0	•0	.0	.0	
10-11	•0	.0	•0	•0	.0	•0	.0		•n	• ?	.0	•0	• 0	.0	•0	
12	٠.٥	.0	•0	•0	.0	•0	.0		•0	• 0	•0	•0	•0	•0	•0	
13-16	.0	٠ć	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
17-19	٠.	.0	•0	•0	.0	•0	•0		• 2	.o	٠.	•0	•0	••	•0	
20-22 23-25	.0	.0	•0	•0	.0	•0	.0		.0	•0	.0	.0	•0	.0	.0	
26+32	.5	.0	•0	.0	.5	.5	.0		.0		.0	.0	•0	.0	•0	
33-40	.5		•0		.0	.0	.0			.0	.0	.0	.0	ě		
41-48		.ŏ	•0	.0	.ŏ				ě	.0	.0	.0	.0	.0	.0	
49-60	.0	.ŏ	•0	•0	.0	.0	.0		.0	ŏ	.0	.0	•0	.0		
61-70	, c	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
71-86	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
87+	.0	.0	•0	.0	٠,	•0	.0		•0	•0	.0	•0	•0	.0	.0	
TOT PCT	••	.4	.4	•0	.0	•0	.6		•c	•0	.1	•0	•0	•0	•1	
				¥								44				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	•0	.5	•0	•0	.0	•0	.5		•0	.5	.0	• • • •	•0	•0	.5	
1-2	.0	٠.	•0	.0	•0	.0	.0		• 0	•7	. 5	.0	• 0	.0	1.2	
3-4	.0	.5	•0	•0	•0	•0	.5		•0	•0	• 1	•0	•0	•0	•1	
5-6	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	٠.	•0	
7 8-9	.0	.0	•0	•0	.0	•0	.0		•0	•0	.0	•0	•0	٠٠	.0	
10-11	.ŏ	.ŏ	•0	•0	.0	.0	٥		.0	.0	.0	.0			.0	
12			.0		.5		š		Š	.5	.0	.0		.0	.0	
13-16	.0	.0	• 0	.0	.0	•0	.0		.0	.0	.0	.0	•0	.0	•0	
17-19	.0	.0	.0	•0	.0	٠Ō	.0		.0	.5	.0	•0	• 5	.0	.0	
20-22	.0	.0	•0	.0	.0	•0	.0		.0	•0	.0	•0	• 0	.0	.0	
23-25	.0	.0	•0	.0	.0	•0	.0		• 9	.0	.0	.0	•0	.0	•0	
26-32	.0	.0	• 0	•0	••	•0	.0		.0	•0	.0	.0	•0	.0	.0	
33-40	•0	.0	•0	•0	.0	•0	.0		.0	• 0	.0	•0	•0	•0	•0	
41-48	٠.0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	•0	•0	
49-60	•0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	•0	•0	
61-70 71-86	•0	.0	•0	•0	.0	• 0	•0		.0	•0	.0	.0	•0	•0	• 5	
874	.0	:0	•0	•0	.0	.0	•0		•0	.0	.0	•0	•0	•0	•0	
TOT PCT		1.1	.0			.0	1.1		.0	1.2	.,	.0	(0	:5	1.9	94.7
101 -61	••	•••	••	•••	•44	•••	•••		••	•••	• '	••	, ,	••	4,7	

	MIND	SPEED	(XTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	TGT
<1	7.8	5.2	.0	.0	.0	.0	13.0	285
1-2	2.0	11.5	4.7		• G		18.5	
3-4	1.6	13.5	19.3				35.4	
5-6	.0	1.6	12.0		.0	.0	15.6	
7	.6	2.1	6.8		.0		12.0	
8-9	.0	0	.5					
10-11	.0	. 3	2.1				4.2	
12	.0	.5	5				7.5	
13-16	.0		.0				.0	
17-19	.0	.0	.0				.0	
20-22	.0		.0					
23-25	.0	.0	·č				:5	
26-32	.0							
33-40		••	•0				•0	
	•0	•0	•0				.0	
41-48	•0	•0	.0				•0	
49-60	.0	•0	•0				.0	
61-70	•0	.0	.0	.0	•0	•0	•0	
71-86	.0	.0	.0	.0	•0	.0	.0	
87+	.0	.0	•0	.0	.0	.0	.ò	
		-						192
TOT PCT	12.0	34.4	45.8	7.8	•0	•0	100.0	

PERIO	10: (0)	/ER-ALL	1 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	A) THA	T) VS	MAYE P	FRZGD	(SPCIIN	D\$3						
PERIOD (SEC)	(1	1-2	3-4	5-6	7	1-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAH HGT
<6	1.3	11.9	18.8	5.9	1.6		1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	133	3
6-7	.3	2.2	10.4	11.6		2.0	2.2	.6		.0	.0	.0	.0	•0	•0	.0	.0	•0	.0	115	5
8-9	•0	.6	1.3	3.4	5.3	2.5	.3	.0		.0	;0	:0	.0	.0	.0	.0	.0	,0	.0	43	•
10-11	•0	.,			.3	1.3		.,	.0	.0	.0	.0	.0	.0	,0	.0	.0	.0	.0	14	7
12-13	•0	.0	.3	.0	.6	٠,	• • •	.0	.0	.0	:0	.0	.0	.0	.0	.0	٠0	.0	.0	3	•
>13	•0	•0	.0	.0	.0	, Č	•0	.0	.0	.0	:0	.0	.0	.0	.0	٥.	.0	-0	.0	0	
>13 INDET	3.1		.0	.0	.0	.0	•0	.0		.ŏ		.0	:0	.0	.0		.0	.0	.0	12	0
TOTAL PCT	15 4.7	50 15.6	101 31.6	21.6	13.4	24 7.5		.,	0	.0		.0		0	0		.0		.0	320 100.0	4

PAGE 486

TABLE 1

AREA 0007 SARAWAK 3.7N 111.7E

PERCENT FREQUENCY	CF	MEATHER	OCCURRENCE	4	****	
LEUPERS LUCARESTE	ur	ASULTER	DECONSENCE	e T	WIND	DIRECTIO

			•	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN Shwr	DRZL	FRIG PCPN	SNOW	OTHER FRZN PCPN	HĀŢĹ	PCPN AT OB TIME	PCPK FAST Hour	THOR LTNG	FBG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	3.5	2.0	1.5	.0	.0	.0	.0	7.0	3.0	3.0	.0	.0	1.9	•0	85.7
NE	2.2	.4	1.0	.0	.0	.0	.0	3.3	1.0	2.2	.3	ŏ			
E	4.1	.0	.0	.0	. ŏ		.0	4.1	4,5	1.6			• •	•0	92.8
ŠE	12.5	.ŏ	4.5	.ŏ			::	17.0	4.5		.0	•0	•0	•0	89.8
ě.	15.1	5.5								.0	.0	•0	•0	•0	78.4
Š.	15.0	5.0		•0	-0	•0	•0	20.5	5.5	5.5	•0	•0	•0	.0	68.5
			.0	.0	•0	.0	•0	20.0	1.3	.0	.0	.0	.0	.0	78.8
¥	27.9	.0	9.3	•0	•0	.0	.0	17.2	7.0	.0	.0	.0	•0	•0	55.0
h b	.0	٠.	.0	•0	.0	.0	.0	٠.٥	1.2	7.3		č	6.1	4.9	80.5
VAR	.0	.0	.9	.0	.0	.0	.0	.0	•0	.0	.0	.0			
CALM	.0	.0	3.4	.0	.0								•0	•0	.0
•-•	•••	•••		••	••	••	• 0	3.4	•0	1.7	5.2	• 0	•0	•0	89.7
TOT PCT TOT CBS:	3.9 636	.*	1.4	•0	•0	.0	•0	0.1	2.0	2.4	.6	.0		•2	88.1

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	DR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THDR LTNG	FOG HO PCP4	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SHOW	
00603 06609 12615 18621	5.5 4.8 1.8 3.7	1.2	2.5 .6 1.8 1.2	.0	.0	•0	.00	8.6 6.0 4.2 6.2	3.7 3.0 1.2	.6 .0 3.6 5.0	1.8 .0 .0	.0 .0	.6 1.2 .6	.0 .0 .0	85.3 90.5 89.9 86.3
TOT PCT	3.9	.,	1.5	•0	.0	.0	•0	6.2	2.1	2.3		•0	.8	•2	88.0

TARLE 3

## PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

NNO OIR	0-3	WI! 4-10	ND SPE 11-21	22-33	TS) 34-47	48+	TOTAL DBS	PCT FRPQ	MEAN SPD	00	03	06	HDUR 09	(G#T) 12	15	18	21
N NE	2.2	13.7	4.7	:1	•0	•0		20.7	81.1 9.3	17.5	16.1	15.7 45.7	30.7 49.7	24.0	25.9 53.1	21.1	19.2
E Se	1.8	6.3 2.1	.1	.0	•1	.0		9.0 3.2	6.4 5.2	3.0	14.1	12.5	3.6 2.1	7.6	8.5	5.5	7.6
S Su	.3	1.7	:1	.0	•0	.0		3.0	6.1 7.6	3.4	3.2	3.4	3.0	1.0	2.7	1.4	2.9 3.8
W NW	1.0	1.0	.1	.0	•0	•0		1.4	5.5	1.1	1.6	. 9	2.4	2.9	.0	1.0	. 9
VAR CALM	8.3	••	:0	:0	.0	.0		.0	.0	.0	•0	1.4	•0	.0	2.7	6.7 •0	1.7
TOT CBS	157	524	180	.3	.2	•0	866	8.4 100.0	7.6	9.3 140	1.6 •2 100.0	11.1	2.4	149	1.8	127	86

#### TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	<b>\$1</b> +	TOTAL OBS	PCT FREQ	HEAH SPD	00 03	H0U: 06 09	R (GHT 12 15	18 21
N NE F SE S S W W MW VAR CALH TOT DBS TOT PCT	8.2 13.7 5.5 2.4 1.6 1.0 2.3 .0 8.4 388 44.8	12.0 31.7 3.4 .7 .8 .8 .3 1.0 .0	2.9 -1 -1 -0 -4 -1 -0 -0	.0	•••••••••	800	20.7 -8.6 9.0 3.2 2.4 3.0 1.4 3.3 .0 8.4	8.1 9.3 6.4 5.2 6.1 7.6 6.3 5.5	17.1 49.3 12.5 5.6 3.3 2.7 1.2 1.4 .0 6.9 202	20.8 47.1 9.5 3.0 2.2 4.8 1.4 3.0 8.1 246 100.0	24.5 47.9 7.8 1.3 2.1 2.4 2.1 4.0 7.8 2.05 100.0	20.3 50.4 6.3 2.8 2.0 1.8 .9 4.7 .0 10.8 213

٠	•	ы

PEKIODI	(PRIMARY)	1931-1973
-	JOVER-ALL 1	1670-1073

TARLE 4

AREA 0007 SARAWAK 3.7N 111.7E

PERCENTAGE	FREQUENCY	CF	WIND	SPEED	84	HOUR	CONT

HOUR	CALM	1-3	4-10		SPEED (		48+	MEAN	PÇT FREQ	TOTAL
00603	6.4	11.9	59.4	21.3	.0	.5	.0	7.5	100.0	202
90209	8.1	10.6	60.6	20.3	. 4	.0	.0	7.5	100.0	246
12615	7.	7.8	00.5	23.4	. 5	.0	.0	7.7	100.0	205
18621	10.8	8.9	61.0	18.3	. 5	. 5	•0	7.5	100.0	213
TOT	73	85	523	180	3	2	0	7.6		866
PCT	8.4	9.8	60.4	20.8	,3	. 2	.0		100.0	

TABLE 5

TABLE 5

			• • • • • • • • • • • • • • • • • • • •	4BLC >														
	PCT FRE			CLOUD A		(EIGHTHS)		1	ERCEN	TAGE F	REQUEN	CY OF	CEILIN	S BY H	HTS EF	TONH 3	)4/8} BN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TETAL CB5	HEAN CLOUD COVER	000 149	150 299	302 399	600 <b>999</b>	1999	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	8000+	NH <5/8 ANY HGT	
N	2.2	4.8	8.1	5.3		5.4	•0	.0	.≥	3,3	3.4	.6	.5	.0	.0	.0	12.3	
NE	7.3	10.4	20.0	4.4		4.9	•0	.0	.0	3.0	4.1	3.3	1.2	.7	•0	.0	30.6	
É	1.0	2.4	9.1	2 • 2		5.7	•0	.^	.4	.4	1.7	1.7	.2	•0	•0	.0	6.2	
ŠE	. 4	. 4	. 8	1.1		6.2	•0	.0	. 1	.5	.5	. 5	.0	.0	•0	.0	1.1	
Š	. 4	. 2	1.0			6.4	•0	.0	.e	.0	1.2	.7	.2	•0	•0	.0	1.3	
ŠW	. 4	.:	1.3	1.3		6,3	•1	•0	.0	. 8	.5	1.0	.0	•0	•0	.0	1.0	
Ĭ.	. 2	.2		. 4		5.6	. 2	.0	ō	. 6	. 2	.0	.0	•0	•0	.0	.6	
NW			1.3	.4		4.5	•0	.0	.0	.1		.0	.0	.0	•0	.0	2.2	
VAR	.0	.0		•6		•0	• 0	•0	. 5	,č			.c	.0	•0	.0	•0	
CALM	2.4	1.5	5.3			5.1	•0	•0	.0	1.0	1.0	1.9	.7	• 0	•0	.0		
TOT CAS		185	184	- 61	412	5.2	1	ŏ	• • •	40	33	46	12	3	ŏ		250	412
TOT PCT		20.6	44.7	19.7	100.0		٠ŝ	•6	.7	9.7	13.3	9.7	2.9	•7	•0	•0		100.0

TARLE T

= -
OF SIMULTANEOUS OCCURRENCE (NH >4/8) AND VSBY (MH)

				V58Y (NR	1)			
CEILING	• CR	• OR	• OR	- DA	• DR	• CR	• CR	. DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>9040	>0
- DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
- DR >5000	.2	.7	.7	:9	.7	.7	.7	:9
■ DR >3500	3.1	3.5	3.5	3.5	3.5	3,5	3.5	3.5
■ DR >2000	11.5	13.6	13.6	13.9	13.9	13.9	13.9	13.9
• OR >1000	21.6	27.5	27.8	28.0	28.0	28.8	28.0	28.0
■ DR >600	27.5	35.8	36.7	37.4	27.4	37.4	37.4	37.4
• DR >300	28.2	36.5	37.4	38.1	30.1	38.1	38.1	30.1
• OR >150	28.2	36.5	37.4	38.1	30.1	38.1	38.1	38,1
				38.4	38.4	38.4	38.4	38.4
• DR > 0	28.2	36.5	37.8	143	163	163	103	143

TOTAL NUMBER OF OBS: 425

PCT FREQ NH <5/81 61.6

## TABLE 7A

### PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 4.3 11.5 16.5 16.5 13.0 10.0 9.3 7.8 11.0 .2 462

PAGE 488

1

•

(

!

							MA	RCH						
PERIOD: (PRIMARY) (OVER-ALL)							TAG	LE B				ARE	A 0007	SARAWAK 3.7N 111.7E
		P	FRCENT	FREQ D							DN-DCC IBILIT		E OF	
VSB (NM			NE	E	ŞE	S	S₩	₩	W	VAR	CALM	PÇT	TOTAL	
<b>«</b> 1/	PCP NO PCP TOT %	.0	.0 .0	.0	.0	•0	•0	.0	.0 .0	.0 .0	•5	.0 .2 .2		
1/2	PCP C1 NO PCP TOT %	.0	.0	.0 .0	•0	•0	•0 •0	.0	.0	.0	•0	.2 .2 .3		
1<2	PCP ND PCP TOT %	.6 .0	.0	.0	•0	•0	•2 •0 •2	.1 .0 .1	•0	•0	•0	1.4 .0 1.4		
2<5	PCP NO PCP TOT %	.2	.1	.1	•2 •0 •2	• 2 • 3 • 5	.4 .2 .5	.1 .0 .1	•0	•0	•0 •2 •2	1.3 1.3 2.5		
5<1	PCP NO PCP TOT %	3.4 3.4	5.0 5.5	.9	.2 .3 .5	•1 •2 •3	.7	:4 :3 :7	.0	.0 .0	•2 •5 •6	1.9 11.6 13.5		

PCP .1 .4 .3 .2 .3 .0 .0 .0 .0 .0 .2 1.4 10 ND PCP 16.2 38.8 8.1 2.6 1.8 1.7 .8 2.8 .0 8.0 80.7 TOT S 16.3 39.1 8.4 2.7 2.1 1.7 .8 2.8 .0 8.2 82.1

TOT OBS TOT PCT 21.2 45.6 9.7 3.5 2.9 3.1 1.7 3.2 .0 9.1 100.0

TABLE .

				_			•						
VSBY (NK)	SPD KTS	N	NE	£	SE	S	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	•0	.0	.0	.1	.1	
<b>&lt;1/2</b>	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	55+	.0	•0	•0	•0	.0	.0	•0	•0	.0		.0	
	TOT &	.0	.0	•0	•0	•0	.0	.c	.0	.0	•1	.1	
	0-3	.0	•0	•0	.0	•0	.0	.0	•0	.0	.0	.0	
1/2<1	4-10	- 1	-1	.0	. ၁	.0	•0	•0	.0	.0		.3	
	11-21	.0	•0	•0	.0	•0	.0	٠.	•0	.0		.0	
	22+	٠,	•0	•0	.0	•0	-0	.0	•0	.0	_	.0	
	TOT \$	.1	-1	•0	•0	.0	.0	•0	.0	.0	•0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	
1<2	4-10	• 1	• •	•0	.0	•0	- 1	•1	•0	٠.0		6	
	11-21	• •	.3	•0	•0	•0	.3	.0	.0	.0		1.0	
	22+	.0	٠.٥	•0	.0	•0	.0	٠,	•3	•0	_	.•0	
	TOT \$	.5	.7	•0	•0	•0	.4	•1	•0	•0	•0	1.6	
	0-3	.0	•0	.0	•0	•1	-1	•0	•0	•0	-1	.4	
2<5	4-10	-4	-6	• 1	. 2	• 1	•0	• 0	• 1	.0		1.6	
	11-21	.3	.1	.3	.0	•1	٠,	.1	٠.	.0		1.2	
	22+	.0	٠0	•0	•0	•0	.0	•0	.0	•0		0	
	TOT \$	.6	.7	• •	•5	• •	.5	-1	•1	.0	•1	3.3	
	0-3	-1	.3	•1	.1	.0	•	. 3	•0	.0	.6	1.6	
5<10	4-1C	1.6	2.6	• •	• 3	.3	•	• •	. 3	•0		7.0	
	11-21	1.8	2.4	•1	•0	•0	•0	• ?	•	.0		4.3	
	22+ TOT \$	3.7	.0	• 0	٠.0	•0	٠0	.7	• 0	.0		0	
	101 %	3.1	5.4	.•	.5	.3	•7	• •	• •	•0	.6	13.0	
	0-3	1.2	2.6	1.8	.7	•1	.,3	٠.		.0	7.8	15.1	
10+	4-10	11.7	20.4	5.7	2.1	1.0	1.0	.7	2.0	•0		31.6	
	11-21 22+	3.2	•.•	• •	•1	•0	.3	•0	•1	.0		14.1	
	TOT %	16.1		•1	0	0	0		.0	•0		7	
		10.1	39.4	8.1	2.9	2.0	1.6	•7	2.7	.0	7.9	41.6	
	OT DRS					- 44							668
1	OT PCT	21.1	40.3	9.4	3.6	2.7	3.1	1.6	3.2	•0	5.8	100.0	

MARCH

PERIOD:	(PRIMARY)	1931-1973
	INVER-ALL L	1470-1973

TABLE 10

APE± 0007 SARAWAK 3.7N 111.7E

PERCENT	FREQUENCY I	OF C=1	CING	HEIGHTS	(FEET, NH	>4/81	≯N(
	CCCUR	RENCE	OF NH	(5/8 B	Y HOUR		

HOUR (GHT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	<b>8000</b> +	TOTAL	NH <5/8 Any hGt	
00603	.0	.0	.0	10.4	13.0	7,8	1.7	1.7	.0	•0	34.8	65.2	115
90340	.0	.0	.9	10.3	13.8	12.1	3.4	.0	.0	•0	40.5	59.5	116
12615	.0	.0	.9	7.3	17.4	7.3	5.5	.9	.0	•0	39.4	60.6	109
18621	.9	.0	.9	7.4	9.3	12.0	.0	.0	.0	•0	30.6	69.4	108
TOT	1	0	3		60	44	12	3	e	c	163	285	445

TABLE 11

TABLE 12

		PEPCENT	FREGUEN	CY VS9Y	(NH)	BY HOUR		CUPULAT					SPA (AH) A2BA (AH)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<1G	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD		<1600 <5		NH <5/8 AND 5+	TOTAL DRS
00803	.6	.0	.6	3.0	11.3	84.5	168	60203	•0	٠.	12.0	25.9	62.0	108
<b>90360</b>	•0	•0	2.8	3.4	9.0	84.7	177	90360	•0	.9	13.5	29.7	56.8	111
12615	•0	.0	2.3	1.1	17.2	79.3	174	12615	•C	1.0	8.7	33.0	58.3	103
18621	.0	1.2	1.2	5.2	15.0	77.5	173	18821	1.0	1.9	11.7	21.4	67.0	103
TOT	1	2	12	22	91	564	692 100-0	TOT PCT	1	. 4	49 11.5	27.5	259 60.9	425

TARLE 13

748_E 14

				•																
	PERCE	NT FR	EQUENC	7 0F R	ECATIV	HUNT	DITY B	Y TEMP	TOTAL	PCT		bisc	ENT FF	JE40	Y 0# w	IND DI	REGTIO:	N BY TE	<u>e</u> mp	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREG	N	٩E	E	\$6	S	SW	W	NW	VAR	CALM
90/94 85/89	.0	.0	.0	.3	.3	.0	.0	.0	2	.6	.0	.3	•0	.0	.0	.0	.3	.0	.0	.0
85/89	.0	.0	.0	. 3		1.9	1.4	.6	10	5.0	1.0	1.2	1.0	. 1	.3	.3	.0	.1	.0	1.1
80/84	.0	.0	.0	•0	.0	16.0	44.6	11.0	260	71.6	13.8	33.1	7.4	1.9	1.8	2.0	1.2	3.1	•0	7.4
80/84 75/79	.0	.0	.0	•0		1.7	11.6	9.1	81		4.0	8.1	1.3	1.0	1.5	1.0	.7	· i	•0	4.7
70/74	.0	.0	•0	•0	.0	.0	.0	.6	Ž	- 6	•0	•0	•0	.0	.0	.3	•0	.0	•0	.3
TOTAL	0	0	٥	2	4	71	209	77	363	100.0										
PCT	.0	.0	•0	•6	1.1	19.6	57.6	21.2			18.7	42.6	9.6	3.0	3.6	3.5	2.1	3.3	•0	13.5

TARLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEN	P (DE	G F) [	Y HOUR
HOUR (GMT)	MAX	192	95%	50%	51	14	HIN	MEAN	TOTAL D35
00603	88 94	**	84	81 82	75 77	74 75	74 72	80.7	205 236
12615	ii		84	61	44	75	72	80.9	206
18621	94	84	83 85	81 81	74 77	73 74	72 72	80.2 81.0	220 867

(`

•

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL

GMT] 085

08600 .0 .0 .0 9.5 56.8 33.7 87 97

10600 .0 2-2 4.3 34.8 42.4 16.3 81 92

22615 .0 .0 .0 0 21.2 63.6 15.2 84 99

8221 .0 .0 .0 .9 9.4 88.8 21.5 86 96

PAGE 490

4	D	•	4

PERIOD: (PRIMARY) 1931-1973 (DVER-ALL) 1870-1973	T48LE 17	ARĒA 0007 SARAŅAK 3.7N 111.7E
PCT FREQ OF AIR	TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F	

*3	AIK-	3 C A	IEFPE	AIU×E	Direct	EXENC	E (DE0	-,		
AIR-SEA TAP DIF	69 72	73 76	77 80	81 34	85 83	89 92	>92	101	÷26	WO FOG
11/13	.0	.0	٠.	•0	.0	.0	. 2	1	.0	.2
9/10	.0	• 0	.0	.0	٠,	•0	. 2	1	.0	. 2
7/8	.0	•0	.0	.0	. 2	.0	.0	1	.0	.2
6	.0	.0	.0	. 0	. 3	.0	.0	2	.0	.2
6 5 4	.0	.0	٠.	.5	.7	.0	. 3	9	.0	1.5
ě.	.0	.0	. 2	1.7	1.8	.0	.0	22	.0	3.7
3	.0	.0	.0	. 3	1.8	.0	.0	22 3	.0	.5
	.0	• 0	. 5	5.8	. 3	. 2	.0	41	.0	6.8
2 1	.0	•0	1.7	4.8	.2	.0	.0	40	.0	6.7
ŏ	.0	• 2	3.8	21.9	. 3	'n	.0	157	. 2	26.0
-1	.0	.0	5.5	9,0	.2	.0	.0	88	.0	14.7
-ž	.0	. 8	7.3	10.7	.3	.c	.0	116	.0	19.4
-2 -3	.0	.2	3.5	2.2	.0	.0	.0	35	.0	5.8
-4	.0	1.0	4.2	1.5	.0	.0	.0	40	. 2	6.5
-5	ž	1.3	2.2		.0	.0	.5	23	.0	3,8
-6	.0	. 5	.5		.0	.0	.0	- 1	.2	1.2
-7/-8	.0	.3	.2	, e	.0	.c	.0	ě	.2	1.2
-9/-10	.0	.3	.0	.5	.5	.0	.0		.0	
-11/-13	ž	·ó	:š	ć		č	.č	3	ő	.5
TOTAL	٠,	••	177	••	27	••	• 4	•		595
	•	29	• • •	358		1	•	599	•	- 7 - 7
PCT	.5	4.8	29.5	59.8	4.5	.2	.7	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

			PC	. EMEC D	F MIND	SPEEC	(KTS) AND DIFE	CTION V	EKZUS S	EA HETG	HTS (FT)		
1-3	4-10	11-21	N 22-33	34-47	484	PCT	1-3	4-10	11-21	NE	34-47	48.	PCT
				- 61									2.5
									3.7				16.5
													13.0
					.0								1.8
					.0								1.7
													.7
													• 6
													.0
													•0
								.0					•0
													•0
.0	.0	•0	•0		.0								•0
.0													•0
													•0
													.0
													.0
													.0
													.0
									0.9				38.3
			_							•-			
1-3	4-10	11-21	E22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
	2.5	•0	•0	.0	•0	4.1		.0	.0	•0	•0	•0	• 7
	4.0	. 8	.0	.0	٠.	5,9	.0	2,5	.0	.0	•0	.0	2,3
	.0	. 6	.0	.0	•0	. 8	•0	•0	.0	•0	•0	.0	.0
		•0		.0					•0	•0	•0	•0	•0
		•0	•0	.0		•0			.0	•0	•0	٠0	•0
		•0	•0			,4			۰0	•0	•0	•0	•0
		•0	•0			•0			•0	•0	•0	•0	•0
		•0	-0	•0		•0				•0	•0	•0	.0
										•0			•0
										•0			•0
	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	•0	•0
	•0	•0	•0		•0				•0	•0	•0		•0
-0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0
•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
•0	.0	•0	•0	.0	•0	.0			۰0	•0	•0	•0	•0
•0	.0	•0	٠0	.0	•0	.0	•0	.0	.0	•0	+0	•0	.0
•0	.0	•0	•0	.0	•0	•0	•0	.0	.0	•0	•0	•0	•0
•0	.0	•0	•0	.0	•0	.0	•0	•0	•0	•0	•0	.0	.0
•0	.0	•0	•0	.0	•0	.0	•0	۰۵	.0	•0	•0	.0	.0
2.7	7.1	1.7	+0	.4	.0	11.9	.7	2.5	.0	•0	•0	.0	3.2
	1-3-6-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	1.0 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1-3 4-10 11-21 .0 1.1 .0 .0 .0 1.1 .0 .0 .0 8.5 3.1 .2 4.9 3.8 .0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 1.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1-3 4-10 11-21 22-33 34-47 .0 1-1	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3 4-10 11-21 22-33 34-47 486 PCT 1-3 4-10 11-21 20-33 34-47 486 PCT 1-3 4-10 11-21 22-33 34-47 486 PCT 1-3 4-10 11-21 2

									MAR	CH							
PERICDI	COVE	-ALL)	1963-1	973				TABLE	18 /	PONTS				AREA		SARAWAK 7N 111	
								HOLE	10 (	COMI					3,	111	. 12
				PC	T FREC D	F WIND	SPEED	(KTS)	AND	DIREC	TION V	ERSUS S	EA HFIG	HTS (FT	)		
				s									SW				
HGT	1-3	4-10	11-21	22-73	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	۰,	.0	•0	.0	.0	.0	.0			• 0	.1	•0	.0	.0	.0	•1	
1-2	.0	3.1	•0	•0	•0	.0	3.1			•0	1.4	. 6	٥.	•0	.0	2.0	
3-4	.0	.4	•0	.0	•0	.0	.4			•0	• 1	. 1	.0	•0	.0	.3	
5-6	٠.	.0	•0	.0	•0	.0	•0			•0	•0	1.7	.0	•0	.0	1.7	
7	•0	•0	•0	•0	•0	•0	•0			•0	•0	•0	.0	•0	.c	•0	
1-9	•0	•0	•0	•0	•0	•0	•0			•0	•0	•0	•0	•0	•0	•0	
10-11	.0	.0	•0	.0	•0	.0	•0			•0	•0	.0	.0	•0	•0	•0	
12	.0	.0	•0	•0	•0	•0	•0			•0	.0	•0	.0	•0	•0	•0	
13-16 17-19	.0	.0	•0	.0	.0	.0	.0			.0		•0	.0	•0	.0	•0	
20-22		.0	•0	•0	•0	.0				.0	.0	.0	.0	•0		•;	
23-25	.0	.0	•0	.0	•0	.0	.0			.0	.0	•0	.0	.0	.0	•0	
26-32		:	•0	.0	.0					·	.0	.0	.0	•0		•0	
33-40	.0	.0	•0	•0	.0	.0				.0		•0		.0	.0	•0	
41-48	:ŏ	:0	•0	.0	.0	.0	:0			ő		• 6	:0	•0	:0	•0	
49-60	ě		•0	.0	.6		.0			.0	.0	۰۵			.0	.0	
61-70	.0	.0	.0	.0	•0	.0				ĕ	.0	•0			ě	:0	
71-86	ň		.0		.0		.0			.0		.0	.0			•0	
87+		3.	•0	.0	.0		.0			. 0	•6	.0	 3.	.0			
TOT PCT	.0	3.5	•0	.0	.0	.0	3,5			.0	1.7	2.4	.0	.0		4.1	
	••	•••	•	• • •	• •	•••	• • • •						•••	• • •	•••	•••	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1+3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	. 6	.4	•0	•0	.0	.0	1.0			.0	.0	•0	•0	.0	.0	•0	•
1-2	.0	. 4	•0	•0	.0	•0				.0	3.1		.0	.0	.0	3.4	
3-4	.0	.0		.0	٠,	.0	. 4			.0	.0	•0	.0	.0	9.	•0	
5-6	.0	.0	.0	•0	.5	.0	.0			.0	.1	•0	• 6	•0	.0	•1	
7	.0	.0	•0	.0	•0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
8~8	.0	.0	•0	•0	•0	•0	•0			• 0	•0	.0	.0	•0	.0	•0	
10-11	٠.	.0	•0	•0	.0	.0	.0			.0	•0	•0	•0	٠.٥	.0	•0	
12	.0	.0	•0	•0	•0	.0	.0			•0	•0	•0	. 0	.0	.0	.0	
13-16	.0	•0	•0	•0	•0	•0	.0			•0	•0	•0	.0	•0	•0	•0	
17-19	.0	•0	•0	•0	•0	•0	•0			•0	•0	•0	•¢	•0	.0	•0	
20-22	٠.	.0	•0	٠,0	•0	.0	•0			•0	•0	•0	•0	•0	.0	•0	
23-25	.0	.0	.0	•0	•0	•c	.0			•6	•0		•0	•0	•0	.0	
26-32	.0	•0	•0	•0	•0	•0	•0			•0	•0	•0	•0	•0	:0	•0	
33-40	•0	•0	•0	•0	•0	•0	•0			٠,٥	•0	•0	•0	•0	•0	•0	
41-48	•0	•0	•0	٠.	••	•0	•0			•0	•0	•0	•0	•0	•0	•0	
49-00	-0	•0	•0	••	•0	•0	•0			•0	•0	•0	•0	•0	•0	•0	
61-70	٠.	.0	•0	•0	.0	•0	•0			•0	.0	• • •		•0	•0	•0	
71-86	٠,٥	.0	•0	•0	••	•0	•0			•0		• 2	•0	•0	.0	•0	
87+ TOT PCT	.0	.0	•0	•0	•0	٠.	1.5			.0	3.2	.0	•0	.0	.0	3.5	89.3
.01 PC	. 0	••	••	•0	••	••	***			• 17		• • • •	•0	•0	.0	347	O7.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нат	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	14.1	5.6	.0	.0	.0	.0	19.8	085
1-2	2.0	36.7	8.5	.0	.0	٥.	48.0	
3-4	.0	14.7	9.0		. 5	.0	23.7	
5-6	. 6	1.7	2.4		.0	.0	5.6	
,		•	1.7	ŏ	.0	.0	1.7	
8-9		ĕ		ŏ	1.1	.0	i.i	
10-11						.0		
12	.0				.0	,ŏ	.0	
13-16	•0	•0	•0	.0	.0	.0	•0	
17-19	•0	• 2	٠c	.0	.0	.0	•0	
20-22	.0	.0	•0	.0	.0	۰,	.0	
23-25	•0	.0	•0	.0	.0	.0	.0	
26-32	.0	.0	.0		.0	.0	.0	
33-40	.0	. 5	.0	.0	.0	.0	•0	
41-48		,õ			.0		.0	
49-60	.c	ě					.0	
61-70		ŏ						
							•0	
71-86	.0	•0	•0				•0	
67+	٠.	.0	.0	.0	.0	•0	•0	
								177
TOT PCT	17.5	58.8	22.0	.6	1.1	.0	100.0	

PERIO	01 (0)	ER-ALL	1 195	0-197	3				TABLE	19											
					PERCENT	FRE	GUENCY	OF W/	VE HEI	GHT TP	T) VS	MAVE P	ER 100	(SECON	951						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1-9	10-11	12	13-14	17-19	20-22	23-25	24-32	33-40	41-48	49-40	à1-70	71-86	87+	TOTAL	MEAN HGT
<6	7.0	29.7	12.0	2,9	.3	.0	.0			0	.0	.0	.0	.0	.0	.0	.0	.0	.0	178	2
6-7 8-9 10-11 12-13	.0	3.2	7.6	7.0	2.0											.0		.0	.0	• 0	4
1-7	ŏ			3,8		1.5	.0	1.	:	:	.0	.0		,0	.0	,õ,	:0		.ŏ	j٥	7
10-11	.0	•0	.0	. 3	. 6	.0	•0				:0	.0				.0	.0	:8	.0	3	6
12-13	.0	•0	.0	.0	.0	.0	• • 0					• 0	0	•0	.0	.0	.0	-0	.0	٥	
>13	.0	.0		.0	.0	.0						•0				.0	.0		.ŏ	0	
INGET	11.4	4.4	1.7	1.2		.0						.0				.0	.0		.0	64	1
TOTAL	63	110	75	32	iž	Ţ,	Ŏ	- 7		Ò	Ö	0			0	Ö	Ŏ	Ď	Ď	347	3
PCT	18.4	37.9	21.9	15.2		1.5		1.				.0			.0	.0	.0		.ŏ	100.0	•

O

PERIOD: (PRIMARY) 1929-1973 (OVER-ALL) 1858-1973

TABLE 1

AREA 0007 SARAWAK 3.6N 111.7E

PERCENT	FREQUENCY	OF	HEATHER	DCCURRENCE	MINO	STRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WHD CIR	RAZN	RAIN Shur	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	FAIL	PCPN AT UB TIME	PCPN PAST HGUR	THOR LYNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	4.5	.0	.0	.0	.0	.0	.0	4.5	•0	6.8	1.5	.0	•0	•0	88.6
NE	1.5	.0	.c	.0	.0	.0	.0	1.5	Ä	2.7					
ŧ	.0	.0	.0	.0	.0	.0	.0	.0	2,5	4.4				•0	93.5
SE	6.4	5.1	5.1	.0	.0	.0	٠,٠	16.7				۰۰	.0	•0	93.0
ž	11.5	10.6	3.6	.ŏ	.ŏ	ĕ	:	26.0		1.3	•0	•0	•0	•0	82.1
Šw	5.7		0						2.9	5.8	.0	•0	•0	•0	67.3
w.					•0	•0	• •	6.6	. 8	1.5	•0	•0		•0	91.8
Ñw	5.3	.0	•0	•0	•0	•0	•0	5.3	3.5	3.5	•0	.0	2.6	•0	85.1
	8.4	.0	.0	.0	•0	.0	.0	8.4	3,4	.0	• 0	.0	•0	.0	88.2
VAR	• 6	.0	.0	•0	.0	.0	•0	.0	•0	.0	•0	.0	•0	.0	
CALM	1.1	.0	1.1	.0	.0	.0	.0	2.2	1.1	5.5	1.1	ĕ	.0	.0	90.1
TOT PCT	3.5	.9	.7	.0	•0	•0	•0	5.0	1.3	3.9	.7	•0	.4	•0	89.2

TABLE 2

## PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	H TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	rain Shur	DRZL	FRZG PCPN	SNOw	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WO >CPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00403 06409 12415 18421	6.5 3.1 1.6 4.2	1.6 .8 .8	1.6 .0 .0	.0	.0 .0 .0	•0	.0	9.7 3.9 2.3 5.0	1.6 2.4 .8	.0 7.0 10.1	2.4 .0 .8	•0	.0 .0 .8	.0 .0 .0	86.3 93.7 88.4 84.0
TOT PCT TOT CBS:	3.8 499			•0	•0	•0	•0	5.2	1.4	4.4	1.0	.0	.4	•0	<b>88.2</b>

TABLE 3

## PERCENTAGE FREQUENCY OF MIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3	4-10	D 5981 11-21	ED (KNO1 22-33 1	'\$)  4-47	48+	TOTAL OSS	PCT FREQ	MEAN SPD	00	<b>03</b>	06	HOUR 09	(GMT) 12	15	18	21
N NE SE S SW M NW VAR CALM TOT OBS	4.7 6.0 1.6 .5 1.7 1.4 1.8 1.7 .0 19.4 24.9	10.4 15.9 5.1 3.8 5.9 4.1 4.7 .0	.7 9.0 1.1 .3 .7 .9 .8 .2 .0	.00.00000000000000000000000000000000000	.0	•••••••	628	15.8 24.9 7.8 4.2 6.2 8.2 6.7 6.6 .0 19.6	5.4 6.4 7.5 6.2 6.1 6.4 5.9 5.9	10.3 29.0 11.2 7.0 6.4 8.1 2.1 1.7 .9 28.1 121	21.4 10.7 12.5 3.6 23.2 5.4 .0 .0	11.2 29.1 9.7 6.3 12.5 7.1 6.0 2.6 .0 15.5 116	9.1 55	123	6.3 .0 .0 4.2 12.5 5.2 .0 25.0 24	18.8 22.4 9.9 2.2 3.1 3.8 5.0 11.8 10.0 23.1 104	8.3 9.2 7.0 1.8 .0 22.8

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL Des	PCT FREQ	MEAN SPD	00	H0UI 06 09	R (GHT) 12 15	18 21
N NE E E S S M M VAR	11.1 14.3 4.6 2.8 3.8 4.3 4.4 5.1	4.7 10.6 3.1 1.4 2.3 3.8 2.3 1.4	.0	.0	000000000		15.8 24.9 7.8 4.2 6.2 8.2 6.7	5.4 6.4 6.5 6.2 6.1 6.6 5.9	11.4 24.3 11.1 8.1 5.9 10.9 2.7	14.3 28.2 6.9 4.8 9.4 6.8 8.0	17.2 26.4 5.1 .7 4.3 7.5 10.2	20.2 20.7 8.2 3.3 5.0 5.7 5.7 8.2
TOT ORS	19.4 439 49.9	187 29.8	.3	•0	0	628	19.6	4.0	24.2	13.5 171	18.4 147 100.0	23.0

PERIOD: (PRIMARY) 1929-1973 (OVER-ALL) 1658-1973

TARLE 4

AREA 0007 SARAWAK 3.6N 111.7E

#### PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10		SPEED (		46+	4671	PCT FRFQ	TOTAL 195
00603	24.2	16.8	49.7	9.4	.0	.0	.0	4.7	100.0	149
90360	13.5	23.4	53.2	9.9	. 5	. 5	.5		100.0	171
12615	18.4	19.7	54.4	7.5	.0	.0	.0		100.0	167
18621	23.0	17.4	55.3	4.3	.0	40	.0		100.0	161
TOT	123	122	334	49	0	Ó	0	4.9		628
PCT	19.6	19.4	53.2	7.8	. 0	•0	٠.		100.0	

TABLE 5

TABLE 6

		-	-000														
CT FRE					_		;	PERCEN	TAGE F	REQUEN	ICY OF	CEILIN	G HEIG B BY H	HTS (F	TONH 3	4/8) 3N	
0-2	3-4	5-7	9 & 085CD	TOTAL CBS	SLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH 45/8 ANY HGT	
3.5	3.9	3.9	1.4		4.1	•0	•0	.0	.3	2.3	1.0	. 3	-0	-0	.0	0.4	
8.0	10.0	10.2	1.5			• 0						_					
1.4	3.3	3.3	. 8			•0	. 0	.0									
.3	1.2	1.9	. 8				• 1	.c				• .	_				
.0	1.4	1.3	1.8					• •									
. 3			Ä														
-6								• .								-	
															•		
								٠.							•		
			*33	311	7:4	• • •	• 0	••	• 6			• 6	• ;	•0	• • •		211
22.5	30.2	36.7	10.6	100.0	70.5			•0	2.4	10.0	5.8	2.9		.3	1		311
	0-2 3.5 8.0 1.4 .3 .0 .3 .0	3.5 3.9 8.0 10.0 1.4 3.3 .3 1.2 .0 1.4 .3 1.5 .6 1.4 1.9 1.6 .0 .0 6.1 5.8	CT FREO OF TOTAL (	CT FREO OF TOTAL CLOUD A BY WIND DIRECT OBSCO.  3.3 3.9 3.9 1.4 8.0 10.0 10.2 1.5 1.4 3.3 3.3 .8 .8 1.2 1.9 .8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.8 .0 1.4 1.3 1.9 1.0 1.3 1.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	CT FREO OF TOTAL CLOUD AMOUNT 8V WIND DIRECTION  0-2 3-4 5-7 9 £ YCTAL DBSCD 7885  3.8 3.9 3.9 1.4 8.0 10.0 10.2 1.5 1.4 3.3 3.3 .8 .3 1.2 1.9 .8 .0 1.4 1.3 1.8 .3 1.5 2.3 .8 .0 1.4 3.5 .8 1.9 1.0 1.3 1.0 .0 .0 .0 .0 0.1 5.P 9.0 1.0 70 94 114 33 311	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS)  8V WIND DIRECTION  MEAN  0-2 3-4 5-7 9 £ YCTAL 11000  08SCD 78S COVER  3.3 3.9 3.9 1.4 4.1 8.0 10.0 10.2 1.5 3.9 1.4 3.3 3.3 8 4.6 1.3 1.2 1.9 8 5.3 1.0 1.4 1.3 1.8 0.1 1.3 1.5 7.3 8 5.3 1.0 1.4 3.5 8 5.1 1.9 1.6 1.3 1.0 4.0 0.0 0.0 0.0 0.0 0.1 5.F 9.0 1.6 4.1 70 94 114 33 311 4.3	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS)  8 W MIND DIRECTION  0-2 3-4 5-7 9 & YOTAL CLOUD 000  085C0 785 COVER 149  3.8 3.9 3.9 1.4 4.1 .0 8.0 10.0 10.2 1) 3.9 .0 1.4 3.3 3.3 8 4.6 .0 1.4 3.3 3.3 8 5.3 .0 1.6 1.7 3 8 5.3 .0 1.7 1.6 1.3 1.8 0.1 .0 1.8 1.6 7.3 8 5.3 .1 1.9 1.6 1.3 1.7 4.0 .0 1.4 1.5 1.8 0.1 .0 0 1.4 1.5 1.6 0.1 .0 0 1.4 1.5 1.6 0.1 .0 0 1.5 1.7 9.0 1.6 4.0 .0 0 0 0 0 0 0 0 0 0 0 0 1.5 1.7 9.0 1.6 4.1 00	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS)  8 W WIND DIRECTION  0-2 3-4 5-7 9 & YCTAL CLOUD 000 150  08SC0 08S COVER 149 299  3.8 3.9 3.9 1.4 4.1 .0 .0 8.0 10.0 10.2 1.5 3.9 .0 .0 .3 1.2 1.9 .8 5.3 .0 .1 .0 1.4 1.3 1.8 0.1 .0 .2 .3 1.5 7.3 .8 5.3 .0 .1 .0 1.4 3.5 .8 5.1 .2 .0 1.4 3.5 .8 5.1 .2 .0 1.4 3.5 .8 5.1 .2 .0 1.4 3.5 .8 5.1 .2 .0 1.5 1.6 1.3 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 5.2 9.0 1.6 4.1 .0 .0	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS)  8 W WIND DIRECTION  0-2 3-4 5-7 9 & TCTAL CLOUD 000 150 300 1885C0 788 COVER 149 299 899  3.8 3.9 3.9 1.4 4.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8V WIND DIRECTION  MEAN  0-2 3-4 5-7 5 % YCTAL CLOUD 000 150 300 600  0BSCD 685 CDVER 149 290 599 999  3.5 3.9 3.9 1.4 4.1 .0 .0 .0 .0 .3 8.0 10.0 10.2 1.5 3.9 .0 .0 .0 .0 .3 1.4 3.3 3.3 .8 4.6 .0 .0 .0 .0 .0 .0 .3 1.2 1.9 .8 5.3 .0 .1 .0 .0 .1 .0 .0 .0 1.4 1.3 1.8 0.1 .0 .0 .0 .2 .0 .5 .3 1.5 7.3 .4 5.3 .5 .8 5.1 .0 .1 .0 .0 .0 .0 1.4 3.5 .8 5.1 .0 .0 .0 .0 .0 1.4 3.5 .8 5.1 .0 .0 .0 .0 .0 1.4 3.5 .8 5.1 .0 .0 .0 .0 .0 1.5 1.5 1.0 4.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 5.6 9.0 1.6 4.1 .0 .0 .0 .0 .0 .1 5.7 9.0 1.6 4.1 .0 .0 .0 .0 .0 .1 5.7 9.0 1.6 4.1 .0 .0 .0 .0 .0 .1 1 1 1 1 0 9	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8V WIND DIRECTION  HEAN  0-2 3-4 5-7 5 % YCTAL CLOUD OOD 150 300 600 1000  0BSCD CBS COVER 149 299 599 999 1999  3.3 3.9 3.9 1.4 4.1 .0 .0 .0 .0 .3 2.0 8.0 10.0 10.2 1.5 3.9 .0 .0 .0 .0 .0 .0 .0 8.1 1.4 3.3 3.3 8 8 4.6 .0 .0 .0 .0 .0 .0 .0 .3 1.2 1.9 .8 5.3 .0 .1 .0 .0 .1 .0 .0 .0 .0 .0 .0 1.4 1.3 1.8 5.3 .0 .1 .0 .0 .0 .0 .0 .0 .0 1.4 1.3 1.8 5.3 .0 .1 .0 .0 .0 .0 .0 .1 1.5 7.3 8 5.3 .1 .0 .0 .0 .0 .0 .0 .0 1.4 3.5 .8 5.1 .2 .0 .0 .0 .0 .0 .0 1.4 3.5 .8 5.1 .2 .0 .0 .0 .0 .0 .0 1.5 1.5 1.0 4.0 .0 .0 .0 .0 .0 .0 .0 .0 1.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1.8 9.0 1.0 1.0 4.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1.9 1.0 1.3 1.0 4.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 5.9 9.0 1.6 4.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 5.9 9.0 1.6 4.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 1.5 9.9 114 33 311 4.3 11 1 0 0 9 312	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8 W MIND DIRECTION  MEAN  0-2 3-4 5-7 9 % YOTAL CLOUD  085C0 785 COVER  149 299 599 999 1999 3490 4999  3.5 3.9 3.9 1.4 4.1 .0 .0 .0 .3 2.0 1.0 .3 8.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8 W MIND DIRECTION  MEAN  0-2 3-4 5-7 9 % YCTAL CLOUD  0BSCO 765 COVER  149 290 599 999 1999 3499 6499  3.5 3.9 3.9 1.4 4.1 .0 .0 .0 .0 .3 2.0 1.0 .3 .0  8.0 10.0 10.2 1.0 3.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 .2  .3 1.2 1.9 .6 5 5.3 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8 W MIND DIRECTION  MEAN  0-2 3-4 5-7 8 % YCTAL CLOUD  0BSC0 765 COVER  149 290 599 999 1999 3499 4999 6499 7999  3.5 3.9 3.9 1.4 4.1 .0 .0 .0 .0 .3 2.0 1.0 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	CT FREO OF TOTAL CLOUD AMOUNT (EIGHTMS)  8 W MIND DIRECTION  MEAN  O-2 3-4 5-7 9 % YCTAL CLOUD  OBSCO 785 COVER  149 290 599 999 1999 3499 4999 6499 7999  3.5 3.9 3.9 1.4 4.1 .0 .0 .0 .3 2.0 1.0 .3 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .3 .0 .0 .0 .0 .1 .1 .3 .3 .0 .0 .0 .0 .0 .1 .1 .3 .3 .0 .0 .0 .0 .0 .0 .1 .1 .3 .3 .0 .0 .0 .0 .0 .0 .1 .1 .3 .3 .0 .0 .0 .0 .0 .0 .1 .1 .1 .3 .0 .0 .1 .1 .1 .3 .0 .0 .1 .1 .1 .3 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	TOTAL CLOUD AMOUNT (EIGHTMS)  8 W MIND DIRECTION  NEAD  0-2 3-4 5-7 9 & YOTAL CLOUD  085C0 785 COVER  149 299 599 999 1999 3439 4999 6499 7999 ANY MGT  3.5 3.9 3.9 1.4 4.1 .0 .0 .0 .3 2.0 1.0 .3 .0 .0 .0 .0 .0 .4 .4 .4 .7 .1 .3 .0 25.5 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

TARLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND YSBY (NH)

				V58Y (4H	1)			
CEILING	• TR	• DR	• OR	= PR	• OR	• OR	- OR	e 나서
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50*0	>0
■ NR >6500	.9	.9	.9	.9	.7		.9	.9
■ DR >5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
• OR >3500	3.8	3.4	4.1	4.1	4.1	4.1	4.1	4.1
= DR >2000	7.9	9.4	9.7	10.3	10.3	10.3	10.3	10.3
■ DR >1050	16.2	18.8	19.7	20.3	20.3	20.3	20.3	20.3
• DR >600	18.5	21.5	22.4	22.9	22.9	22.9	22.9	22.9
■ DR >300	18.5	21.5	22.4	22.9	22.9	22.9	22.9	22.9
• DR >150	18.8	21.8	22.6	23.2	23.2	23.2	23.2	23.2
• 0k > 0	18.6	22.1	22.9	23.5	23.5	23.5	23.5	23.5
TOTAL	64	75	78	90	80	80	an	80

TOTAL NUMBER OF OBS: 340

PCT FREQ NH <5/81 76.5

## TABLE 74

## PERCENTAGE PREQ OF COM CLOUDS (FIGHTHS)

•	1	2	3	4	5	6	7	8 0	BSCD	OBS
4.4	18.0	18.0	20.8	13.7	6.4	7.1	3.6	5.5	.3	366

APRIL

PERIODI	(PRIMARY) 1 (OVER-ALL) 1	929-1973 858-1973						TA	ele s				ARE	A 0007	SARAWAK 3.6N 111.7E
	PERCENT FREQ OF WIND DIRECTION VS OCCURPENCE OR HON-GCCURP Precipitation with varying values of visibility														
	V58Y (4H)		N	NE	£	\$E	S	Sw	<b>h</b>	NW	VAR	CALM	PCT	TOTAL OBS	
		PCP	.0	.0	.0	-0	•0	.0	.0	.0	.0	•0	.0		
	<1/2	NO PCP TOT \$	.0	.0	:0	.0	:0	.0	:0	.0	.0	•0	:6		
		PCP	.0	.0	.0	-0	•0	•0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
		TOT \$	.0	۰.	۰.	•0	•0	.0	.0	.0	.0	•0	.0		
		PCP	.c	.0	•0	.c	•2	•1	• 2	••	.0	•0	.?		
	1<2	NO PCP	.0	.0	.0	.0	•2	• 1	.0	.0	•0	•0	.2		
		TOT \$	.0	•0	•0	•0	• 3	• 1	<b>~</b> 0	•0	•0	•0	.4		
		PCP	.0	.0	.0	• 2	•0	•0	.2	•2	.0	• 2	.4		
	2<5	NO PCP	.c	.7	.0	.0	•5		. 2	• 2	• 0	•0	1.5		
		TOT \$	.0	.7	•0	.2	.2	.?	. 2	.4	.0	.0	5.0		
		PCP	.7	.4	.0	.2	.4	. 2	. 3	• 1	.0	.4	2.8		
	5<10	NO PCP	2.0	3.3	.6	.5	.9	1.6	.9	1.2	.0	3.5	14.3		
		TOT %	7.6	3.7	.6	.7	1.3	1.8	1.3	1.3	•0	3.9	17.2		
		PEP	.0	.0	.0	.3	. 9	.2	٠.	.2	.0	•0	1.5		
	10+	NO PCP	11.7	24.C	6.0	3.0	2.9	4.3	4.7	4.5	•0	15.7	78.9		
		TOT S	11.7	24.0	8.0	3.3	3.8	4.5	4.7	4.7	•0	15.7	80.4		
		TOT DBS												460	

TABLE 9

		PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY														
VSBY (NH)	SPD KTS	N	NE	£	SE	\$	SW	¥	Nw	VAR	CALM	PCT	TOTAL			
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
<1/2	4-10	.0	.0	·õ	.0	ĬŎ	.0	.0	.0	.ŏ	•	ō				
	11-21	.0	.0	.0	.0	.0	.0	• 0	.0	.0		.0				
	22+	.0	.0	• 0	• 0	۰٥	.0	•0	.0	.0		٠.				
	10T \$	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0				
	0-3	.0	-0	•0	.0	•0	.0	. 9	.0	.0	.0	.0				
1/2<1	4-10	•0	• 0	•0	• 0	•0	٠0	• 5	.0	•0		•0				
	11-21	.0	•0	•0	•0	•0	.0	•0	.0	٠٥		.0				
	22+	.0	•0	•0	•0	•0	•0	٠,٥	•0	.0	_	.0				
	TOT \$	.0	•0	۰0	•0	•0	•0	•0	•0	•0	.0	.0				
	0-3	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0				
1<2	4-10	.0	•0	•0	٠Ç	.3	• 1	•0	.0	.0		• •				
	11-21	.0	•0	•0	• 0	•0	•0	•0	.0	•0		.0				
	22+ TOT \$	-0	••	•0	٠,٧	•0	••	.0	٠.٥	•0		.0				
	101 %	•0	•0	•0	•0	.3	•1	••	.0	•0	•0	••				
	0-3	.0	•0	•0	•0	.0	.0	•0	. 2	.0	•0	.2				
2<5	4-10	.0	•6	.0	• 2	.2	٠2	• 2	. 2	.0		1.7				
	11-21	•0	٠.٥	•0	•0	.0	•0	•0	.0	•0		•0				
	22+	.0	٠,	•0	.0	•0	.0	•0	0	•0		0				
	TOT \$	.0	.6	•0	• 2	• 2	.2	•2	.4	.0	•0	1.9				
	0-3	.5	1.0	.2	•0	.2	•0	• 2	.1	.0	3.7	6.0				
5<10	4-10	2.0	2.5	• •	• 6	1.0	1.5	.8	1.0	.0		9.8				
	11-21	.0	.2	•0	•2	•1	• 2	.2	•1	•0		1.0				
	22+	0	0	•0	•0	.•0	9	,•9	,•0	٠,٥		16.8				
	TOT %	2.5	3.7	.6	. 6	1.3	1.7	1.2	1.2	.0	3.7	10.0				
	0-3	3.9	5.4	1.3	. • 7	1.6		1.0	1.2	•0	16.2					
10+	4-10	7.9	14.7	5.0	2.6	2.3	3.1	2.9	3.9	• 0		42.1				
	11-21 22+	.3	3.3	1.3	.1	.5	.0	.6	.2	.0		6.6				
	TOT &	12.1	23.4	7.6	3.1	4.5	4.3	4.5	4.7	•0	16.4	80.9				
,	OT CAS												48			
	INT PCT	14.6	27.7	8.2	4.4	4.3	6.3	5.9	6.4	.0	20.1	100.0	70			

Ł	Ð	٠	7	١

			AP# IL		
PERIODS	(PPIMARY) (QVEF-ALL)	1929-1973 1858-1973	TABLE 10	AREA 0007	SARAWAK 3.6N 111.7E
			FERCENT FREQUENCY OF CFICING HEIGHTS (FEET, NH >4/8 OCCURRENCE OF NM <5/8 TY NOUR	2 AND	

HOUR (GMT)	000 149	150 259	300 599	600 995	1000 1999		3500 4999	5000 6499	3500 7599	*6390	T0T4L	MH <5/8 ANY HGT	TOTAL OBS
00003	.0	•0	•0	4.3	13.0	5-4	4.3	1.1	.9	2.2	30.4	59.6	92
90380	.0	1.1	.0	2.2	7.5	4.5	2.2	.0	.0	۰۵	19.4	80.0	93
12615	.0	.0	•0	2.1	7.4	6.3	2.1	.0	.0	3.	17,0	82.1	95
18621	1.2	.0	.0	1.2	10.8	4.8	1.2	1.2	1.2	.0	21.7	78.3	63
TOT PCT	.3	.3	.0	9 2.5	35 9.5	21 5.8	2,5	.6	1	5	81 22.3	282 77.7	363 100-0

			TA	SLE 1	1			TABLE 12										
		PERCENT	FRPOUENCY	VSBY	(NH)	BY HOUR		CLPULAT					V\$EY (MM) NUOH YBEE					
HOUR (GMT)	<1/2	1/2<1	1∢2	2<5	5<10	10+	TOTAL GBS	HOUR (GMT)	<150 <50YD	<600 €1	<1000 <5	1000+	NH <5/8 AHD 5.	TOTAL QB\$				
E03C0	.0	.0	•0	3.1	12.6	84.3	127	60203	.0	٠0	7.0	24.4	58.6	86				
06609	.0	•0	.0	.0	17.0	83.0	135	<b>*</b> 0360	•0	1.1	3.4	17.0	79.5	88				
12615	.0	.0	.c	4.5	16.4	79.1	134	12615	•0	.0	4.6	16.1	79.3	87				
18621	.0	.0	1.6	.0	18.5	79.8	124	14621	1.3	1.3	5.1	17.7	77.2	79				
TOT	.0	.0	, 2	10	84 16.2	424 81.5	520 100-0	TCT	1	2	17	64	259	340				

	TARLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL PET												TABLE 14 PERCENT PREQUENCY OF WIND DIRECTION BY TEMP									
TEMP F	0-29	30-59	40-49	50-59	40-69	70-79	80-89	90-100	085	PREQ	*	NE	E	SE	Ş	SH	w	N¥	VAR	CALM		
95/99 90/94 85/89 80/84 75/79 TOTAL PCT	•0	.0	•0	.0 .3 .0 .0 .0		7.9	3.3 39.1 1.3 133	2.3	1 47 231 21 304	.3 1.3 15.5 70.0 6.9 100.0	.0 .2 2.0 9.2 .8	.3 .7 5.3 22.6 .8	.0 1.6 7.0 .3	.0 1.0 3.0 .4	.0 .2 2.8 .6	.0 .1 .6 4.8 .4	.0 .2 .9 4.8 .7	.0 .0 .3 5.1 .7	.0	.0 3.6 16.8 2.0		
H	EANS, E	XTRENE	S AND		LP 15 TILES 1	JF TEN	P (DEG	F) BY I	HOUR			BERCE	NT FRE	GU#NC Y	TABL OF SE	-	нинго	1TY BY	ผกเวธ			

								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SERVED SERVICE OF SERVICE UNWINELL BY MOON										
HOUR (GHT)	MAX	99%	95\$	50%	54	1%	HIN	HEAN	TOTAL OBS	HOUR (GMT)	0+29	30-59	60-09	70-79	80-59	90-100	MEAN	TOTAL	
00103 06109 12115 1821 TOT	93 95 95 67 95	90 92 87 86 90	69 86 84 87	82 84 82 82	78 80 80 79 79	74 76 78 77 76	73 76 75 74 73	\$2.1 \$4.3 \$2.6 \$1.6 \$2.7	154 173 156 172 635	00103 06109 12115 18121 TOT	•0	1.2 .0 .0	3.4 9.3 4.5 2.6 17	21.6 43.0 33.7 23.4 104	47.7 33.7 42.7 51.9	27.8 12.8 19.1 22.1	64 79 62 63 52	86 98 89 77 340	

PAGE 496

0

APRIL

PERIOD: (PRIMARY) 1929-1973 (DVER-ALL) 1855-1973

TABLE 17

AREA 0007 SARAWAK 3.6N 111.7E

2-1313				1	ABLE 3	,7					3.6%	111.
PCT FREG OF AIR	TEMPERAT	TURE S AIR	(DEG -SEA	F) AN Tempe	D THE	OCCUP	RENCE ERENCE	OF FOG () (DEG F)	VITHOU	T PRECI	PITATI	(110
	AIR-SEA THP DIF	73 76	77 80	81	85 88	89 92	>92	TOT	FOG	WO FOG		
	11/13	•0				•0	• 2	1	.0	.2		
	9/10	.0				٠2	.4	5	·ŏ	1.1		
	7/8	.0				. 2	.0	3	•0	• 6		
	ė,	•0				.0	•0	3	.0	•6		
	5	.0	•0	. 4	.9	1.1	•0	11	• 0	2.4		
	4	•0	•0		1.3	.6	•0	12	•0	2.6		
	3	.0	•0	.0	1.7	.2	•0	- 9	·õ	1.9		
	2	.0	•0		2.6	.0	•0	22	•0	4.7		
	1	.0	.0		1.7	.0	•0	26	.0	5.6		
	0	.c	•6		2.6	.0	•0	63	.4	13.1		
	-1	.0	1.3	16.5	1.9	.0	•0	92	.0	19.7		
	-2	.0			1.1	.0	.0	94	.2	19.9		
	-3	.2	1.3	9.0	- 4	.0	•0	51	.2	10.7		
	-4	.2	2.6	5.4	. 2	.0	•0	39		8.4		
	~5	.4	2.1	1.7	.0	.0	•0	20	ž	4.1		
	-6	.0	1.5	.4	.0	.0	.0	- š	:0	1.9		
	-7/-8	.2	.,	.0	.0	.0	•0	ś	.0	i.i		
	-9/-10	.2	.0	.0	.0	.0	.0	<b>.</b>				
	-11/-13	,ž		.ŏ	ŏ	.0	•0	•	:0			
	TOTAL	7		317	••	ii	-0	•	.0	•2 462		
		•	56	54.	73	••			,	405		
	PCT	1.5		67.9	15.6	2.4	•6	467 100.0	1.1	98.9		

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				₽(	T FREG	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT	)	
нст	1-3	4-10	11-21	N 22-33	34-47	48+	PCT					NE			
<1	2.8	.0	0	.0	.0		2.8		1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	0	4.8	.6	ŏ	.0	.0	5.4		2.4	1.7	0	.0	•0	•0	4.1
3-4	.0	1.3	. 6		.0	.0	1.9		7.0	9.4	7.2	•0	•0	•0	23.7
5-6	.0	1.1	•0		.0		1.1		•0	2.4	.9	•0	•0	.0	3.3
7	.0		.0		.0		•••		•0	•7	•0	•0	•0	.0	.7
8-9	.0	.0	•0	.0	.0	.0	.0		•0	•0	•0	•0	•0	.0	.0
10-11	•0	.0	.0	.0	.0		40		•0	•0	•0	•0	•0	•0	•0
12	.0	.0	•0		.0	.0	.0		•0	0	•0	.0	•0	•0	•0
13-16	•0	.0		.0	.0	.0	•0		•0		•0	•0	•0	•0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		•0	•0	•0	•0	•0	.0	.0
20-22	.0		ŏ	.0	.ŏ	•0	.0		•0	•0	.0	•0	•0	•0	•0
23-25	.0	.0	.0	••	.0		.0		40 •0	.0	•0	.0	•0	.0	.0
26-32	•0	.0	•0	•0	.0	•0	•0				•0	•0	•0	.0	•0
33-40	•0	.ŏ	•0	.0	.0	.0	•0		•0	•0	•0	•0	•0	.0	•0
41-48	.0	.0	.0	.0		:	::		•0	•0	.0	•0	•0	.0	•0
49-60	•0	•0	•0	.0			•0		•0	,0	•0	•0	•0	.0	•0
61-70	.0		ě	.0	.0	• • • • • • • • • • • • • • • • • • • •	.0		•0	•0	•0	•0	•0	•0	•0
71-86	.0	.0	•0	.0	.0	.0	.0		•0	•0	•0	•0	•0	.0	.0
87+	.0		ě	.0		.0	•0		•0	•0	•0	• 0	•0	.0	.0
TOT PCT	2.8	7.2	1.1	.0	.0		11.1		9.4	0	.0	• 0	•0	•0	•0
			•••	•••	••	•••	****		7.4	14.3	8.1	•0	•0	.0	31.9
HGT	1-3	4-10	11-21	E 22-33	34-47	48.	PCT		1-3	4-10	11-21	5E 22-33	34-47	48.	
<1	.6	2.0	•0	•0	.0	• 5	2.6		.2	.0					PCT
1-2	1.9	4.8	1.7	.0	.0		8,3		. 7	1,1	•0 •2	•0	•0	•0	?
3-4	.0	.0	•0	•0	.0	.0	•0		.0			.0	•0	.0	2.0
5-6	•0	•0	•0	•0	.0	•0	.0		ě				•0	.0	•0
7	•0	•0	.0	•0	.0	•0	10		.0			:0	•0	:6	•0
8-9	•0	•0	•0	.0	.0	•0	•0		.0	.0	.ŏ		•0	:0	•0
10-11	•0	•0	•0	-0	•0	•0	•0		•0	.0		.0		.0	•0
17	•0	•0	•0	•0	•0	•0	•0		.0	ŏŏ	•0		•0	ŏ	
13-16	•0	•0	•0	-0	•0	•0	•0		.0	.0	•0	• 6	•C	ŏ	•
17-19	•0	•0	•0	•0	•0	•0	•0		.0	.0	.0		•0	٠٥	
20-22	•0	•0	•0	•0	•0	•0	•0		.0	.0	•0	• 6	•0	.0	•0
23-25	•0	•0	•0	•0	•0	•0	•0		•0	.0	.0	.0	•0	ĕ	•0
26-32	•0	•0	•0	•0	.0	•0	•0		.0	•0			•0	:0	•8
33-40	•0	•0	•0	•0	•0	•0	•0		.0	.0		.0	40		.0
41-48	•0	•0	•0	•0	.0	•0	•0		.0	.0		:0	•0	:0	.0
49-60	•0	.0	•0	.0	.0	-0	•0		•0	.0	.0	,0	•0		•0
61-70	•0	•0	•0	•0	•0	•0	•0		ě	íŏ.	.0		•0	.0	•0
71-84	•0	•0	•0	•0	.0	•0	•0		, ö	10	•0		•0	:0	•0
874	.0	0	•0	•0	.0	•0	• 0		.0		.0		•0	.0	•0
TOT PCT	2.4	4.9	1.7	•0	•0	•0	10.9		ij	1:1	.2		•0	:0	
									• •		72	•••	••	••	2.2

PERIODI	10ve		1043-1	/ 13					APRIL						*	
PEKTOD!	10161		1703-1	//3				TABLE	18 (CONT	,			AREA		SARAWAK ON 111	
				FC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTIUN	VERSUS S	EA HEIG	SHTS LFT	,		
				S								Sw				
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCT		1-3	4-10		22-33	34-47	46+	PCT	
<1	1.3	.0	•0	.0	•0	.0	1.3		•0	.0	.0	•0	•0	•0	•0	
1-2 3-4	٠,	2.6	•0	.0	.0		2.6		•0	*.	.9	•0	•0	.0	5.7	
5-6	.0	.6	•6	.0	.0	.0	1.1		•0	.9	.2	•0	•0	.0	1.1	
7			•0		.0		.0		.0	.0		•0	•0	• 0	•0	
4-9		.ŏ	.0	.0	.0	.,	.0		• 0	.0		.0	•0	•0	•0	
10-11		.0	•0	.0	.5		.0			.0		•0	•0	.0	•0	
12			.0	.0	.5				č	ő		ò	•0	:ŏ	.0	
13-16	.0	.0	•0	.0		.5	.0		š	.5		.0	•0	.0	•0	
17-19	.0	.0	.0	•0			.0		ě			.0	• 5	.0	.0	
20-22	.0	.0	•0	•0	.0	.0	.0			.0		.0	•0	.0	·ŏ	
23-25	.0	.0	•0	• 0	.0	•0	.0		.0	,0		•0	.0	.0	•0	
26-32	•0	.0	•0	.0	.0	•0	.0		.0	.0			•0	.ŏ	.0	
33-40	٠.٥	.0	•0	•0	.0	•0	.0		.0	.0	.0	.0	•0	.0	•0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.ŏ	•0	.ŏ	iò	
49-60	.0	.0	•C	-0	.0	•0	•0		•0	.0	.0	.0	•0	.0	.0	
61-70	.0	.0	•0	•0	.0	•0	•0		•0	.0	.0	•0	•0	.0	•0	
71-86	.0	.c	•0	•0	.0	•0	•0		.0	.0	.0	.0	•0	.0	•0	
87+	•0	.0	.0	•0	.0	•0	.0		•0	.0		•0	•0	.0	•0	
TOT PCT	1.3	3.1	•6	•0	•0	•0	5.0		•0	5.7	1.1	•0	•0	.0	6.9	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.5	.7	.0	•0	.0	.0	2.2		. 2	.7		•0	•0	.0	•	. • .
1-2	•0	3.3	. 6	•0	.0	•0	3.9		.7	.9	.0	.0	•0	.0	1.7	
3-4	.0	1.5	1.5	•0	.0	•0	3.0		.0	.0	.0	•0	•0	.0	.0	
5-6	•0	•0	•0	•0	.0	•0	•0		•0	.4	•0	•0	•0	.0	.4	
7_	•0	.0	•0	•0	.0	•0	.0		.0	•0		•0	•0	.0	•0	
8-9	•0	.0	•0	•0	.0	•0	•0		•0	.0	• • •	•0	•0	•0	•0	
10-11	••	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	.0	•0	
12	•0	.0	•0	•0	.0	•0	•0		•0	.0		•0	•0	.0	•0	
13-16 17-19	•0	٠,	•0	.0	.0	•0	•5		•0	•0		•0	•0	•0	•0	
20-22	.0	.0	•0	.0	.0	.0	•0		•0	•0		•0	•0	•0	•0	
23-25			•0	.0		.č	• C		0.0	•0		•0	•0	.0	•0	
26-32		.0	•0	.0	.0	.0	.0		•0	.0		.0	•0	•0	•0	
33-40	ě	.0	•0	.0	.0	.0	•0		•0	.0		•0	•0	.0	•0	
41-48	ĕ	.ŏ	.0	ĕ		:ŏ	.0		ŏ			.0	•0	.0	0	
49-60	ě	.č	.0	.0		.0	ě		ŏ	.0		.0	.0		•0	
61-70	Ĭ	.0	.0	.0	ň	.0	.0		.0	.0		.5	.5	.0	•0	
71-86		.0	•0	.0	.0	.0	.0		•0	.0		.0	•6		•0	
87+	.0	.0	.0	.0	.0		.0			ě		.0	•0		.0	
TOT PCT	1.5	5.6	2.0	•0	.0		9.1			z.0		.0	ě	•0	3.0	80.0
				. •	•				•	-70			••		,,,,	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3,.9	4.9	.0	.0	.0	.0	36.8	OBS
1-2	11.1	29.9	10.4	.0	.0	.0	51.4	
3-4	•0	6.3	3.5	ō	•0	.0	9.7	
5-6	.0	2.1	.0	.0	.0	.0	2.1	
7	.0	.0	.0	.0	.0	.0		
8-4	.0	.0	.0	. 5	. 0	.0	•0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	•0	•0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	-0	•0	.0	.0	.0	.0	•0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	•0	.0	.0	.0	.0	.0	
41-48	•0	•0	.0	.0	•0	.0	•0	
49-60	•0	•0	•0	.0	.0	.0	•0	
61-70	.0	.0	•0	.0	•0	.0	.0	
71-86	.0	.0	•0	.0	.0	.0	.0	
87+	-0	.0	.0	.0	.0	.0	.0	
	43.1		13.0					144

PERIC	101 (0/	ER-ÁLL	.) 194	9-197	3				TABLE 1	9											
					PERCENT	FREQ	UENCY O	F WA'	VE HEIGH	IT (FI	r) ys	KAVE PI	ERIOD	(SECON	03)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16 1	7-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	12.9	34.1	8.0	1.9	1.9	.0	•0	.0	.0	.0	;0	.0	.0	.0	.0	.0	.0	.0	.0	155	2
6-7	.0	3.4	4.5	1.1	.0	.0	.0	.0	.0	.0	,0	.0	.0		.0	.0	.0	.0	.0	24	3
8-9	.0	.0	1.5	2.7	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	ò	.0	11	4
10-11	.0	.0	•С	.0	.0	.0	-0	.0	.0	.ò	:0	.0	.0		.0	.o	.0	ĬŌ	.0	0	
12-13	•0	.0	.4	.0	.0	٠.	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0		.0	1	3
>13	•0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0			.0	ō,	.0	.0	.0	ò	-
INDET	23.9	3.1	.0	.õ.		.0	.0	ŏ	.0		:0		:0	.0		.ŏ	.õ			73	0
	97	109	38		- 5	-77	- 0	ō	Õ		70	"	ŏ				**	•		244	š
TOTAL	34.7	41.3	147	15	, ,	×	×	×	×	×	٠,٢	×	×		×	×	ž	×	×	140 0	•

PAGE 498

61

•

PERIOD:	(PRIMARY)	1929-1972
	INVESTALL 1	1860-1072

AREA 0007 SARAWAK 3.5N 111.6E

PERCENT	FREQUENCY	٦F	WEATHER	CCCURRENCE	BY	MIND	DIRECTION
---------	-----------	----	---------	------------	----	------	-----------

			,	RECIPI	DITAT	N TYPE					DTHER	WEATHER	PHEND	HENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTMG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	5.5	7.5	.0	.0	.0	.0	.c	13.0	•0	2.7	.0	.0	•0	•0	84.2
NE	2.1	2.6	.5	٠.	.0	.0	.0	5.2	•0	6.3	.0	.0	.0	0	\$6.5
E	2.5	.0	6.2	.0	.0	•0	.0	8.6	•0	۰٥	.0	.0	.0	.0	91.4
SE	2.6	4.2	.5	.0	.0	.0	.0	7.4	2.1	4.2	.0	.0	.0		86.3
Š	5.0	.7	1.4	.0	.c		.0	7.1	2.9	1.4	.0	.0	.0		88.6
Sw	7.2	2.5	. 3	.0	.0	.0	.0	10.0	2.5	2.5	.0	iò	.0		86.3
H	8.4	3.8	1.3	.0	. 6		• C	13.5	1.7	5.5	•0	.0	•0		81.0
Nu	8.0	- 4	.0	.0	.0		. 0	1.5	.0	6.7	.0	ō	• •		84.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0		.0	ŏ	•0		.0
CALM	2.7	. 9	.0	.0	.0	.0	.0	3.6	,9	2.7	.0	.0	•0		92.8
TOT PCT	4.9	2.2	.9	•0	•0	•0	٠.	810	1.3	3.6	.0	.0	•0	•0	87.4

TABLE 2

## PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE												PHEND	MENA	
HOUR (GHT)	RAIN	RAIN Shur	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	5.6 2.5 7.6 4.5	4.4 2.5 1.4	1.9	.0	.0	.0 .0	•0	11.9 5.6 9.0 5.5	1.9 1.3 .7	.6 5.5 10.0	.0 .0	.0	•0	.0 .0 .0	85.6 92.3 85.5 84.5
TOT PCT	5.0 575	2.3	.9	.0	•0	•0	•0	8.2	1.2	3.7	•0	•0	•0	•0	87.3

TABLE 3

# PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WII	ID SPE	ED (KN	CZTO								HOUR	(GHT)			
WND DIR	0+3				34-47	48+	TOTAL Das	PCT FREQ	MEAN SPO	00	03	06	09	12	15	18	21
N NE	3.2	2.9	.3	.0	.0	•0		6.4	4 . 7 5 . 8	7:1 7:1	7.1 5.4	5,2 9,5	6.7	10.7	7.1 5.4	8.6	2.6
£	2.5	3.5	. 5	•0	.0	.0		6.5	5.3	7.4	14.3	7,9	10.0	3.7	14.3	1.6	4.6
SE	3.1	5.5	. 3	•0	•0	•0		8.9	5.4	10.3	12.5	10.2	5.4	3.8	1.6	11.2	15.7
S	4.3	8.0	1.0	.0	•0	.0		13.4	5.5	19.0	12.5	17.5	10.8	7.9	7.1	10.7	5.1
Sw	4.6	10.7	1.1	.3	•0	.0		16.7	5.1	12.7	25.0	15.6	20.0	16.6	26.8	11.2	28.2
¥	2.7	1.6	1.1	.1	.0	.0		12.6	6.6	9.2	14.3	11.0	19.2	17.0	14.3	8.9	13.0
N₩	2.4	7.3	.2	.0	٠.0	.0		9.8	5.1	9.0	8.9	6.3	11.7	12.9	12.5	9.9	11.1
VAR	.0	•0	.0	.0	.0	.0		.0	.0	•0	.0	.0	• 0	.0	•0	.0	.0
CALM	18.4							18.4	.0	18.1	.0	14.8	10.0	21.0		33.3	18.5
TOT OBS	308	373	35	3	0	0	719	•	4.6	155	28	155	60		Ž	96	54
TOT PCT	42.8	51.9	4,9	.4	.0	.0		100.0		100.0	100.0		100.0			100.0	100.0

# TARLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL Cos	PCT FREQ	MEAN SPD	30 03	HQUI 06 0 <b>9</b>	(GHT) 12 -15	18 21
N	4.7	1.7	•0	•0	.0		6.4	4.7	7.1	5.6	4.6	6.5
NE	4.6	2.7	.0	•0	.0		7.3	5,8	6.8	8,5	7.8	3.3
ŧ	4.8	1.7	•0	•0	.0		6.5	5.3	8.5	4,5	5.4	2.7
SE	5.7	2.9		•0	.0		8,9	5.4	10.7	1.0	3.5	12.0
\$	9.1	4.1	•1	•0	.0		13.4	5,5	13.0	17.1	7.7	1.7
Sw	11.3	5.0	.3	•1	.0		16.7	6.1	14.6	16.9	18.3	17.3
w	7.6	4.5	,5	•0	.0		12.6	6,6	10.0	13.3	16.5	10.3
NW	7.9	2.0	.0	•0	٠.٥		7.1	5.1	7.0	7.8	12.9	10.3
VAR	.0	.0	.0	•0	~0		. 0	.0	.0	.0	.0	.0
CALM	18.4						18.4	.0	15.3	13.5	19.3	28.0
TOT DBS	534	177	7	1	0	718		4.6	103	215	171	150
TOT BET	74.3	2Å.A	1-0			-	100.0				100 0	100'0

٠	•	

PERIODI (PRIMARY) 19 (OVER-ALL) 16	
---------------------------------------	--

TARLE	4

AREA 0007 SARAWAK 3.5N 111.6E

PERCENTAGE	PREQUENCY	ΩF	MIND	SPEED	BY	HOUR	(GHT)

HOUR	CALH	1+3	4-10		SPEED (		42+	MEAN	PCT FREQ	TOTAL OBS
£0300 90360		26.8	52.5 54.4	4.9	.5	.0	.0		100.0	183
12615	19.3	24.6	52.0	3.5	. 6	•0	•0	4.4	100.0	215 171
10621 TOT	28.0 192	176	47.3 373	2.7 3 <b>5</b>	.0	•0	•0	3.9	100.0	150 719
PCT	18.4	24.5	51.9	4.9	- 4	.0	.0		100.0	-

TABLE 5

TABLE 6

•	CT FRE			D DIREC		(EIGHTHS)			PERCEN	TAGE F	REQUEN CURREN	ICY OF	CEILIN NH <5/	G HEIG	HTS (	T,NH :	94/8) 3H	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	8000+	NH <5/8	
N	1,6	1.8	3.8	.7		4.9	.0	.6	.0	.7	1.4	1.2	.0	.0		•	4.7	
ЯE	1.1	3.7	3.4	.0		4,3	:0		ě	ö	• ; ;		ö	.0	•0	•0		
E	2.4	1.4	2.6	.6		4.1		.0							•0	•0	6.7	
ŠE	1.7	1.4	2.8	2.6		5.3	.0				1.0	•0	•0	•0	•0	•0	5.4	
č	1.8	3.5	1.1	3.1				•0	• 3	• 5	1.0	•0	.3	•0	•0	•0	6.4	
ŠW	1.4	3.6				5.3	•0	•0	•0	.9	1.8	.3	.3	•0	•0	.3	13.5	
3"			5.0	3.1		5.3	•0	•0	• 0	. e	Z.0		.2	•0	.,		8.9	
W	2.0	• • •	4.3	2.6		5.5	•0	.3	•0	1.2	1.5	.7	.2	•0	•0	.0	6.3	
NW	1.5	3.1	. 9	1.1		4.1	•0	• 1	•0	• 1	.1	• 2	.0	.0	.0	.0	6.2	
VAR	.0	.0	.0	.0		.0	.0	.0	, c	.0	.0	.0	.0	.0	•0	.0	.0	
CALM	6.1	5.8	5.1	4.4		4.2	•0	•0	.0	2,4	1.0	1.0	.0			-		
TOT UBS	58	74	109	54	295	4.1	·ŏ	• •	•,	21		14	• • • •	•0	•0	•0	16.9	
TOT PCT	19.7	25.1	36.9	18.3	170.0		٠ŏ	• 7	. 3	7.1	10.5	4.7	1.0	•0	.3	.3	221 74.9	295

TARLE 7

# CUMULATIVE PC7 FREQ DF SIMULTANEOUS DECURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	= OR	- GR	• OR	■ DR	• CR	e CR	• CR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• OR >6500	.7	.7	.7	.7	.7	.7	.7	.7
<ul><li>OR &gt;5000</li></ul>	.7	•7	.7	.7	.7	. 7	.7	.7
<ul> <li>OR &gt;3500</li> </ul>	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
<ul> <li>DR &gt;2000</li> </ul>	5.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
- DR >1000	15.7	17.0	17.0	17.3	17.3	17.3	17.3	17,3
■ DR >600	20.3	23.5	23.7	24.5	24.5	24.5	24.5	24.5
■ DR >300	20.6	23.9	24.2	24.8	26.8	24.8	24.8	24.8
■ DR >150	20.9	24.5						
			24.8	25.5	25.5	25.5	25.5	25.5
• OR > 0	20.9	24.5	24.8	25.5	25.5	25.3	25.5	25.5
TOTAL	54	75	76	78	78	78	78	78

TOTAL NUMBER OF DESE 306

•

PCT FREG NH <5/81 74.5

#### TABLE 7A

#### PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	.3	4	5	6	7	. 0	BSCD	DES
4.5	15.2	21.7	15.2	13.2	4.1	7.3	4.2		•0	155

٠	•	

ţ

PERIOD: (PRIMARY) 15 (OVER-ALL) 18							TA					ARE	A 0007	SARAWAK 3.5N 111.6
		PI	PRCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENC ALUES	e da n Op vis	0N-0C	URRENC TY	E OF	
VSBY (NN)		N	NĒ	E	SE	5	814	W	NW	VAR	CALH	PCT	TOTAL	
	PCP NO PCP	.0	.0	.0	.0	.1	•0	:0	.0	.0	.0			
• • •	TOT \$	.0	.0	.0		•1	40	.0	•0	.0	•0	.2		
	PCP	.0	•0	.0	.0	• 2	40	.0	•0	.0	.0			
1/2<1	NO PCP	.0	•0	.0	.0	.0	• 0	•0	•0	.0	•0			
	TOT \$	.0	.0	•0	•0	•0	•0	•0	.0	.0	•0	.0		
	PCP	. 2	.0	.1	•	•0	.0	.0	.0	.0	•0	• 4		
1<2	NO PCP	.0	•0	•0	•0	•0	•0	.0	. 2	.0	•0			
	TOT S	.2	.0	•1	•	•0	•0	•0	.2	•0	•0	.,		
	PCP	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0		
2<5	NO FCP	.0	•0	.3	.3	• 2	.2	.0	•0	•0	•0	.9		
	TOT %	.0	•0	.3	.,,	•2	. 2	•0	•0	•0	•0	. 9		
	PCP	. 2	.0	.2	.1	. 4	1.2	. 6		.0	.4			
5<10	ND PCP		.6	1.0	2.2	2.3	4.5	2.3	3.0	•0	7.7			
	TOT &	1.0	. 6	1.2	2.3	2.6	5.9	3.1	3.0	•0	8.0	28,3		
	PCP	.5	. 5	.3	.5	.4	.3	. 6		.0	.4	3.5		
10+	NO PCP	5.0	7.7	5.4	5.5	7.4	8.7	7.1	4.0	•0	11.9			
	TOT \$	5.5	*.1	5.7	6.0	7.8	9.0	7.7	4.0	•0	12.2	70.1		
	TOT 085												548	
	***	4.9		7.4	4.7	12.8	34.4	10.8	10.0	- 0	20.2	100.0		

TABLE .

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY													
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	HM	VAR	CALM	PCT	TOTAL DDS
	0-3	.0	.0	.0	.0	.0	۰.	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	•0	•0	•0	•		.0	.0	.0	٠.		.2	
	22+	.0	.0	•0	•0	•0	•0	.0	•0	.0		.0	
	TOT \$	.0	•0	•0	•	•1	.0	.0	.0	.0	•0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		•0	
	11-21	•0	•0	•0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	•0	•0	.0	•0	•0	.0		.0	
	TOT \$	.0	.0	•0	•0	.0	•0	.0	.0	.0	.0	.0	
	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	4-10	.0	.0	.1		.0	.0	.0	•2	.0		. 4	
	11-21	.0	•0	.0	.0	•0	.0	•0	•0	• 0		.0	
	22+	۰0	.0	.0	.0	.0	J.	.0	.0	٠,		.0	
	TOT \$	• 2	•0	.1		•0	.0	•0	.2	.0	•0	.5	
	0-3	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.5	
2<5	4-10	•0	.0	.0	.0	.3	-1	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	22+	.0	.0	•0	•0	.0	٠.	•0	.0	.0		0	
	TOT %	•0	•0	.3	.3	.3	.3	•0	•0	.0	•0	1.1	
	0-3	.7	.3	.4	1.0	1.3	2.2		1.1	۰.	7.9	16.4	
5<10	4-10	.3	.4		.5	1.3	2.7	1.5	2.7	.0		10.2	
	11-21	.0	.0	•0	.0	.1	.3	.5	.0	.0		.,	
	22+	.0	.0	.0	.0	0	.2	.2	.0	.0		•	
	TOT \$	1.0	. 6	1.2	, -	•	5.5	3.0	3.6	.0	7.9	27,9	
	0-3	2.6	1.9	1.9	1.5		1.4	1.8	1.3	.0	12.3	27.5	
10+	4-10	2.1	5.8	3.2	4.7		4.5	5.2	4.4	.0		38,4	
	11-21	.4	.3	.7	.4	.8	.,	•7	.3	.0		4,3	
	22•	.0	0	•0	•0	• 0	.2	0	.0	.0		2	
	TOT \$	5.4	7.9	5.7	6.7	10.0	8.8	7.7	5.9	.0	12.3	70.4	
	TOT DES												960
	TOT PCT	4.5	8.6	7.3	₹.3	12.9	14.6	10.8	1.8	.0	20.2	100.0	

HAY

PERIOD: (PRIMARY) 1929-1972 (OVER-ALL) 1869-1972

TABLE 10

AREA 0007 SARAWAK 3.5N 111.6E

# PERCENT FREQUENCY OF CFICING MEIGHTS (FEET+NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HBUR (GMT)	000 149	150 299	300 599	600	1000 1999	2000 3499	3500 4999			8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
60300	.0	1.0	1.0	1.2	12.4	6.2	2.1	.0	.0	1.0	30.9	09.1	97	
90360	.0	1.0	.0	9.3	9.3	5.2	.0	.0	.0	•0	24.7	75.3	97	
12615	.0	.0	.0	2.5	8.9	1.3	1.3	.0	.0	•0	13.9	86.1	79	
18621	.0	•0	•0	6.7	10.0	3.3	•0	.0	1.7	•0	21.7	78.3	60	
TOT PCT	.0	. 2 . 6	.3	22 6.6	34 10.2	14	.9	.0	.3	1	78 23.4	255 76.6	333 100.0	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	RUCH YE		CUMULAT	CEILIN	FREQ IG HGT	(FEET)	IGES OF NH >4/8	VSBY (NH)	AND/OK
HOUR (GHT)	<1/2	1/2<1	1<2	?<5	5<10	10+	TOTAL CBS	HOUP (GPT)	<150 <90YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ AND5+	NH #5/6 AND 5+	TOTAL OBS
00603	.6	.0	. e	1.2	24.7	72.8	162	€03€0	•0	2.2	12.4	22.5	65.2	89
90360	•0	-0	.6	1.8	28.0	69.5	164	90360	•0	1.1	11.5	16.1	72.4	87
12615	•0	.0	.0	.7	26.4	73.0	148	12615	•0	.0	2.7	12.2	85.1	74
18821	.0	•0	.9	•0	32.1	67.0	112	18621	•0	•0	7,1	16.1	76.8	36
TOT PCT	.2	.0	, 3 , 5	6 1.0	161 27.5	415 70.8	586 100.0	TOT PCT	.0	3 1.0	27 8.8	52 17.0	227 74.2	306 100.0

TARLE 13

TABLE 14

	PERC	ERT FR	EONENC	OF R	ELATIV	E HUMI	9 YTI	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y 0F W	IND DI	RECTIO	N 8Y T	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100	085	FREQ	4	NE	E	SE	\$	SW		NW	VAR	CALM
95/99	.0	.0	.0	.3	.3	.0	.0	.0	2	.6	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0
90/94	.0	.0	•0	.3	1.3	.3	.3	.0	7	2.2	.0	.0	•0	.0	.2		. 9	•1	.0	1.0
85/89	.0	.0	.0	•0	2.2	12.7	8.6	.3	75	23.8	2.0	3.4	1.2	1.6	3.7	3.3	2.2	2.3	.0	4.1
80/84	.0	.0	•0	•0		18.7	41.0	7.6	214	67.9	4.7	4.4	4.4	6.6	11.8	9.0	8.7	5.8		12.4
75/79	.0	.0	•0	.0		.0	1.6	3.6	17	5.4	.3	.3	.0		2.1				.0	1.3
TOTAL	Ō	Ŏ	Ö	2	14	100	162	37				•••	••	•••		• •	••	.,	•••	•••
PCT	.0	.0	٠ŏ	•6		31.7	51.4	11.7			7.0	8.2	6.0	8.5	17.9	13.1	12.1	8.5	.0	16.7

TARLE 15

TABLE 16

	HEANS,	EXTREM	S AND	PERCEN	TTLES	DP TEI	4P (DE	G #) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGINU	BY HOUR	
HOUR (GMT)	MAX	99\$	95%	50\$	51	14	HIN	MEAN	TOTAL	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL 085
00£03	89 97	98 95	86 91	83 85	77 79	75 76	75 75	82.2 84.9	181 205	£0300 <b>£</b> 0360	.0	2.2	12.0	21.6	53.6 43.5	24.7	85 78	97 92
12615 18621 TOT	87 86 97	#6 #5 *1	86 85 88	83 82 83	79 78 78	78 75 76	77 73 73	82.8 81.9 83.1	167 154 707	12615 18621 TOT	•0	.0 .0	2.4 3.2 15	38.6 34.9 110	49.4 57.1 159	9.6 4.8 39	80 31 81	43 43 335

PAGE 502

PERIOD: (PRIMARY) 1929-1972 (OVER-ALL) 1869-1972

TABLE 17

AREA 0007 SARAWAK 3.5N 111.6E

PCT FRPO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOR (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85	89 92	>02	TOT	# F0\$	40 924
9/10	.0	.0	.0	.0	.0	. 2	1	.0	.2
7/8	.0	.0	.0	.0	.2	.0	1	.0	•2
	.0	.0	.0	. 2	. 6	.0	4	.0	. 8
š		.0	.0	.0	.6	. 2	4	.0	. 8
Ā	.0	• 0	.0	1.6		.0	11	.0	2.2
1				.,,	1.6	.0	15		3.0
- 5	.ŏ		1.0	2.6	•.2	.0	19		3.8
•			į.ž	4.4	ij	٠٥	34	.5	6.8
ò	:0	•	6.0	7.7	.5	:0	56	.0	11.3
-1	• 5	•	12.5	4.0	•0	•0	86	•0	17.3
-2	.0	. 4	13.9	2,0	.0	•0	85	.0	17.1
-)	.0	1.0	8.Z	.4	.0	.0	48	.0	9.7
-4	.0	1.8	8.5	.0	.0	.0	51	•0	10.3
177777	.0	3.4	1.2	.0	•0	.0	23	.0	4.6
-6	.4	3.2	. 8	.0	.0	.0	22	.0	4.4
-7/-8		4.5		.0	.0	.0	31	.0	6.Z
-9/-10			.0	.0	.0	.0	Ä	.0	1.2
TOTAL	, i	• • •	277	•	20	-		Ŏ	497
	•	83	• • •	107	••	2	497	•	
907	1.4		44 7	21.4	4.0		100.0		100-0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

PCT FRED UP WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (PT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-12 23-25 24-25 24-45 49-40 61-70 71-86 TC 71-86 TC 71-86 4-10 .0 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-3 1-3 11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT
<1
1=2
3=4
5=6
7
8=9
10=11
12
13=16
17=19
23=25
26=22
33=40
41=48
49=60
61=70
71=86
61=70
71=86 1-3 

PERIODI	1006		1043-1	072					*4	٧.				4064	0007	SARAWAK	
PENTOU	1045	N-1[[]	1703-1	712				TABLE	18 (	CONT	ı					5N 111	
				PC	T FREO	OF WIND	SPEED	(Kts)	AND	DIREC	TION:	VEPSUS	SEA HEIG	HTS (FT)			
				\$									SH				
HGT	1-3	4-10	11-21	22-93	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	
<1 1=2	1.8	7.6	2.6	•0	.0	•0	2.1			1.3	1,3			•0	.0	2.3	
3-4	1.5	2.1			.0	.0	2.9			.,0	3.4		1.0	•0	.0	4.7	
5-6		·.ċ	.0	.0	.č					.0	.0			.0	ŏ	• 0	
7	,õ	.0	.0	.0	.0	.0	ě			.0				.0	.0	•0	
8.9	ŏ		.ŏ	.ŏ	.ö		iŏ			ě	.0			ŏ	ŏ	.0	
10-11	.0	1.0	•0	.0	.0	.0	1.0			.0	.0			•0	.0	10	
12	.0		•0	.0	.0	.0				. 0				• 0	.0	.0	
13-16	.0	.0	.0	•0		•0	.0			. 0	•0			•0	.0	•0	
17-19	.0	.0	•0	•0	.0	•0	.0			.0	•0			•0	.0	•0	
20-22	.0	.0	•0	.0	.0	.0	.0			. 0	.0			•0	.0	.0	
23-25	.0	.0	•0	•0	.0	•0	.0			.0	.0	• •	.0	•0	.0	•0	
26-32	.0	.0	•0	.0	.0	•0	.0			.0	•0			•0	.0	٠0	
33-40	.0	.0	•0	.0	.0	•0	.0			.0	•0		•0	•0	.0	•0	
41-48	.0	.0	•0	-0	.0	•0	•0			•0	.0			•0	•0	•0	
49-60	.0	٥.	•0	.0	•0	•0	•0			•0	•0			•0	.0	•0	
61-70	•0	.0	•0	•0	.0	•0	.0			•0	•0			•0	.0	•0	
71-86	••	•0	•0	•0	•0	٠0	•0			•0	•0			•0	•0	•0	
67+ TOT PCT	2.9	11.7	.0	.0	•0	•0	18.0			2.3	13.0			•0	.0	40 18•2	
101 PC1	2.7	11.,	3.4	•0	•0	•0	10.0			2.,	13.0	, 1.0	1.0	•0	••	10.2	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1.03	4-10		22-33	34-47	48>	PCT	PCT
<1	.0	3.9	•0	-0	.0	•0	3.9			.0	1.0			•0	.0	1.0	
1-2	•0	3.6	1.6	•0	.0	٠ç	5.2			•0	3.1			•9	.0	3.4	
3-4	•0	1.8	5.1	•0	• 9	•0	3,9			•0	1.0			•0	.0	1.0	
5-6	.0	.0	•0	•0	•0	•0	•0			•0	•0			•0	.0	•0	
7 8-9	.0	٠,	•0	•0	.c	•0	•0			•0	•0			•0	•0	•0	
10-11	.0	٠.	•0	.0	.0	•¢	•¢			•^	• 0			•0	•0	•0	
12		.0	•0	•0	.0	•0	•0			.0	•0			•0	.0	•0	
13-16		:0	•0	.0	.0	.0	.0			٠٥	:			•0	.0	:0	
17-19		.ŏ	•0		.0		ě			ň	:6			•0	:6	.0	
20-22		.ŏ	.0		.0	•0	.0			.0				•0	.0	.0	
23-25	.0	.0	.0	.0		•0	.0			.0				•0	.6	•0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0				.0	.ŏ	•0	
33-40	. 3	.0	.0	.0	. ,	.0	.0			.0				•0	.ŏ	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			•0	.0	.0	
49-60	. 0	.0	.0	.0	.0	.0	.ò			, c				.0	,õ	.0	
61-70	-0	.0	•0	.0	.0	•0	.0			.0	• 0	۰. (	.0	•0	.0	.0	
71-86	.0	.0	•0	.0	.0	•0	•0			.0	• 0			•0	.0	•0	
87+	.0	.c	•0	.c	• 0	.0	• 0			•0				•0	.0	.0	
TOT PCT	.0	9.4	3.6	•0	•0	•0	13.0			.0	5.2	3	.0	•C	•0	5.5	77.1

	AIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT 085
<1	29.6	8.2	.0	.0	.0	.0	37.8	083
1-2	4.1	33.7	9.2	ŏ	, ö		46.7	
3-4	• 0	10.2	3.1	1.0	.0	.0	14.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7		.0	.0	.0	.0	.0	.0	
8-9	.0	.5	.0	.0	.0	.0	.0	
10-11		1.0	.0	ŏ	.0	.0	1.0	
12	•0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	. 0	.0	.0	.ŏ	
17-19	.0	.0	.0		. 0	.0	.ŏ	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
	44 7						100.0	98

PERIO	01 101	ER-ALL	194	9-197	2				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEIG	SHT (F1	r) VS	HAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-1	5-6	7	0-9	10-11	12	13-16	17-19	50-55	23-25	26-32	33-40	41-45	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	11.3	32.1	10.0	1.8	.0	.0	.0	.0	.0	,0	:0	.0	.0	.0	.0	.0	.0	,0	.0	122	2
6-7	.0	1.4	3.6	.0	. 9	.ŏ	.0	.0		.0	:0	.0	.0		.0	.0	.0	íš.	.0	13	3
8-9	.5	.0	.5	. 5	. 5	.ò	.0	.õ		.0	:0	.0	.0	.0	.0	.0	.õ	íŏ.	.0	4	4
10-11	.0	. 5	.5	.0	.0	.0	.0	.0		.0	:0	•0	.0		.0	.0	.0	.0	.0	2	3
10-11 12-13	.0	.0	.0	.0	.0	.0	.0	ò		.0	:0	•0	.0		.0	.0	.0	.0	.0	0	
>13	.0	•0	.0	.0	.0	.0	.0	.0	•0	.0	:0	•0	.0	.0	.0	.0	.0	.0	.0	٥	
INDET	30.8	3.6	.5	. 0	.0	.0	.5	.0		.0	.0	•0	.0		.0	.0		.0	.0	80	0
TOTAL	94	. 13	33	_ 7	3	Ö	1	Ö	Ö	Ö	.0	0	0	ō	Ö	0	Ö	Ö	Ō	221	1

PAGE 904

(

( )

PERIODI	(PRIMARY)	1928-1972
	INVER-ALL S	1867-1972

AREA 0017 SARAWAK 3.7N 111.8E

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION	PERCENT	FREQUENCY	űF	HEATHER	<b>BCCURRENCE</b>	37	MIND	DIRECTION
-----------------------------------------------------------	---------	-----------	----	---------	-------------------	----	------	-----------

			,	RFCIPI	TATIO	3 TYPE					STHER	WEATHER	PHEND	MENA	
PIG DAN	RAIN	RAIN	DRZL	FR2G PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPY AT OB TIME	PCPN PAST HOUR	TH R LTNG	FOG HO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N	4.6	2.8	.0	.0	.0	.0	.0	7.4	.0	7.4	3.7	.0	•0	.0	81.5
NE	2.7	.0	.0	.0	.0	.0	.0	2.7	5.3	5.3	5.3	.0	1.3	.0	80.0
E	4.3	5.8	6.8	.0	.0	.ŏ	.0	17.9	.0	.0		ō	9.4	.0	72.0
ŠE	.5	.0	.0	.0	.0	Ü	.0	.5	. 0	ō	.0	. o	.0	ŏ	99.5
S	9.2	2.4	.0	.0	.0	.0	·C	11.6	1.2	6.7	.0	Ď	.0	.0	80.4
Š¥	10.0	1.2	1.4	.0	.0	.0	.0	12.6	2.4	1.2	.0	ŏ	.0	ŏ	04.5
W	7.5	4.0	3.5	.0	.0	.0	.c	15.1	3.5	2.5	.0	.0	1.0	ě	77.9
Nw	7.9	1.2	6.1	.0				15.2	2.4	5.5	.š	.0		ě	76.8
VAR		c		.0		.0	.0		.0		.0			ŏ	
CALM	2.3	. 6	.0	.0	.0	.0	.0	3.1	1.6	2.3	.0	.0	. 8	ŏ	92.2
TOT PCT	6.3	1.9	1.6	.0	.0	.0	.0	9.8	1.9	2.9	.3	•0	. 6	•0	84,4

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO						Jeuro	WEATHER		MENA	
						1116					SINGR	METINEK	PHENO	TENA	
HOU' (GH')	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPH AT OB TIME	PCPN PAST Hour	THOR	FBG HD PCPN	FDG WD PCPN PAST HR	SHOKE		
00603 06609 12615 18621	8.2 4.2 5.1 5.8	3.8 1.2 .0 1.9	1.1 1.8 .6 2.6	.0	.00.0	.0 .0	••	13.2 7.2 5.7 10.3	1.6 2.4 1.9 1.3	.5 1.2 3.8 5.8	.5 .0 .0	•0	1.6 .0 .6 1.9	.0 .0 .0	82.4 89.2 88.6 80.0
TOT PCT	5.9 662	1.4	1.5	.0	•0	.0	.0	9.2	1.9	2.7	.3	•0	1.1	•0	85.0

#### TAPLE 3

## PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22~33 E0 (K4)		48+	TUTAL OBS	PCT FRFQ	MEAN SPD	00	03	06	HOUR OF	(G¥1) 12	15	18	21
N HE E S S S W N N N N V A R C A L M	1.3 1.1 1.0 2.2 2.5 3.9 3.9 1.7	2.1 1.0 2.9 5.5 9.2 13.4 7.9 3.9	2.2 5.0 4.2	.0 .0 .0 .1 .9	•0 •0 •0	••••••		4.0 2.9 4.0 8.2 14.0 24.1 16.5 6.3	5.7 4.2 5.5 5.6 7.4 8.0 8.1	3.8 1.8 5.3 11.0 21.2 22.2 13.3 3.4	.0 .0 11.4 18.9 18.2 43.2 5.3 .0	16.9 3.9	3.1 .0 5.4 12.3 7.7 28.8 21.2 12.3	21.7 12.9	2.9 4.3 1.4 14.3 7.1 20.0 25.7 1.4	7.3 3.3 3.3 2.5 10.2 24.2 15.4 5.4	3.1 7.5 6.3 4.4 13.1 21.9 11.9 5.6
TOT CBS	303	375 46.6	110 13.7	16 2.0	•0	•0	804	100.0	5.9	178	33	142	65	151	35	120	. 80

# TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OSS	PCT FREQ	MEXM SPD	00	H0UI 06 09	(GHT) 12 15	18 21
ĸ	3.3	.5	• 2	.0	.0		4.0	5.7	3,2	2.4	4.8	5.6
NE	2.5	.4	.0	•0	.0		2.9	4.2	1.5	1.9	3.2	5.0
	2.8	1.2	.0	.0	.0		4.0	5.5	6.3	3.7	1.2	4.5
5E	5.4	2.7	.0	.0	.0		8,2	5.6	12.2	11.1	5.6	3.3
5	7.2	6.3	, 5	.1	.0		14.0	7.4	20.7	17.8	5.1	11.4
SK	10.3	11.4	2.1	ž			24.1	8.6	25.5	23.8	23.7	23.3
ν	8.7	4.2	1.6	ä			16.5	8.1	12.1	18.2	22.4	
พัช	4.3											14.0
		1.6	• 4	•0	.0		6.3	6.4	2.8	6.5	10.8	5.5
YAR	.0	•0	•0	•0	.0		.0	.0	.0	.0	٠.	.0
CAÉM	20.0						20.0	.0	15.6	14.5	23.1	27.5
TOT ORS	518	244	39	3	0	₽04		5.9	211	207	186	200
TOT PET	44.4	30.3	4,9	.4	٠ŏ		100.0				100.0	

<

JUNE

PERIOD: (PRIMARY) 1928-1972 (OVER-ALL) 1857-1972

TARLE 4

ARÉA 3007 SARAWAK 3.7% 111.8E

PERCENTAGE	PREQUENCY	05	HIND	SPEED	ay	HOUR	(GHT)
------------	-----------	----	------	-------	----	------	-------

				WIND	SPEED I	KNOTS }			PCT	TOTAL
HBUR	CALM	1-3	4-10	11-51	22-33	34-47	48+	MEAN		085
00603	15.6	17.1	45.0	18.5	2.8	.0	.0	6.8	100.0	211
06609	14.5	14.5	55.6	14.0	1.4	.0	.0		106.6	207
12615	23.1	21.0	44.1	9.1	2.7	.0	.0	5.2	100.0	186
18621	27.5	18.5	40.5	12.5	1.0	•0	.0		100.0	200
TOT	161	142	375	110	16	ŏ	Ô	5.9		804
PCT	20.0	17.7	46.0	13.7	2.0	٠ò	.0		100.0	

TABLE 5

TABLE 6

	THOSE 3						ABLE 0											
•	BY WIND DIRECTION MEAN									REQUEN	ICY UF	Y UF CEILING HEIGHTS (FT,NH >4/8) E OF NH <5/a BY WIND DIRECTION						
WND DIR	0-2	3-4	5-7	8 E 085CD	TOTAL CBS	COVE.	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	5500 79 <b>9</b> 9	8000+	NH €5/8 ANY HGT	
N	1.0	1.0	1.2	1.5		5.2	•0	•0	.0	.7	.7	.2	.3	.0	•0	.0	2.9	
NE	. 5	1.3	.7	.7		4.5	•0	•0	.0	• 1	• 1	.3	.0	•0	.0	.0	2.7	
E	1.2	.6	2.7	.8		5.2	.3		.0		. ;	.6	.0	• 6	•0	.5	3.6	
ŠĒ	1.1	1.6	3.6			4.9	•0	•0	Ü	•0	. 5	.,	.0	•0	•0		5.7	
\$	.6	4.1	5.2	3.0		5.4	• 0	.0	ō	.3		. ;	1.7	•0		• • •		
Š¥	3.2	3.3	9.4			5.5	.3	•0	ō	.7	3,6	1.3	• • • •		•0	• 0	9.5	
ũ	4.1	3.2	5.8			5.1	. 3	•0	ě	2.0	1,9			•0	•0	• 1	15.9	
ÑW	1.5	1.2	2.0			4.4	.0					•2	• 3	•0	• 3	. 5	11.9	
VAR				.0		3.5	•0	.2	.0	• •	.5	• 1	•0	• 3	•0	•0	4.1	
CALH	5.2		8.4						• .	• 0	•0	• 0	•0	•0	•0	• າ	•0	
TOT CAS		• - 1		2.6		4.4	•0	•0	•0	• •	2.0	• 6	. 9	•0	. 3	.3	17.7	
	63	77	134	70	344	5.0	3	0	0	16	36	16	12	1	2	3	255	344
TOT PCT	18.3	22.4	39.0	20.3	100.0		.9	• 0	•0	4.7	10.5	4.7	3.5	+3	•6	.9	74 - 1	100.0

TARLE 7

#### CUMULATIVE PCT FREQ DF SIMULTANEOUS DCCLRRENCE DF CEILING HEIGHT (NH >4/8) AND VSBV (NH)

				V58Y (NF	1)			
CEILING	⇒ GR	<ul><li>OR</li></ul>	• CR	- DR	= CR	• 3R	• 3R	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5070	>0
• PR >6500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
■ OR >5000	1.8	1.8	1.8	1.6	1.6	1.8	1.8	1.1
■ DR >3500	3.7	5.2	5.2	5.2	5.2	5.2	5.2	5.2
■ DR >2000	8.4	10.2	10.2	10.2	10.2	10.5	10.5	10.5
■ DR >1000	16.0	19.1	19.6	19.6	19.5	19.9	19.9	19.9
■ DR >600	18.6	22.5	23.3	23.3	23.6	24.1	24.1	24.1
■ DR >300	18.6	22.5	23.3	23.3	23.6	24.1	24.1	24.1
• DR >150	18.6	22.5	23.3	23.3	23.6	24.1		
- OR > 0	19.1	23.0	24.1	24.1	24.3		24.1	24.1
TOTAL	17:1	23.0	47.1	24.1	24.3	24.9	24.9	24.9

TOTAL NUMBER OF OBS1 382

PCT FREQ NH <5/81 75.1

## TABLE 7A

#### PERCENTAGE FREG OF CON CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 (	BSCD	DBS
1.3	15.4	20.6	10.3	13.0	6.7	4,9	•.3	7.8	.7	447

PERIOD:	(PRIMARY)	1928-1972
	INVER-ALL 1	1857-1972

AREA 0007 SARAWAK 3.7N 111.8E

VSBY (NM)			NE	E	SE	5	Sw	M	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	•0	• 0	.0	.0	.0	•0	.0	043
<1/2	NO PCP	.?	.0	.3	.0	•0	.0	.0	•0	.0	•0	. 5	
	TOT %	• ?	.0	.3	•0	•0	•0	.0	•0	•0	•0	. 5	
	PCP	٠.	.0	• 2	.0	•0	•0	.0	.0	.0	•0	,2	
1/2<1		.c	.0	.0	.0	.0	• ?	.0	.0	.0	. 2	, 2	
	TOT \$	.0	.0	• 5	•0	•0	•0	•0	•0	.0	•2	. 3	
	PCP	.0	.0	.0	.0	•0	•0	.0	.0	.0	•0	.0	
1/2	YO PCP	.c	.0	.0	٥.	• 2	•0	,c	٠.	.0	• 5	.2	
	TOT \$	.0	•0	•0	.0	• 2	•0	.0	•0	.0	•0	.2	
	PCP	. 1	.0	.0	.0	•1	.4	.6		.0	•0	1.3	
2<5	NO PCP	.0	٠.	•0	.0	•0	. 3	.0	• 0	.0	• • •	.3	
	101 \$	.1	.0	۰.	•0	.1	•7	.6	•	•0	•0	1.6	
	PCP	. 2	.1	. 1	.0	•6	2.1	1.1	.4	.0	.5	5.1	
5<10	NO PCP	.6	. 9	. 6	3.4	3.1	3.7	2.6	1.6	.0	7.7	24.4	
	TOT S	, п	1.0	۸,	7,4	3.7	5.8	1,8	2.0	•0	€.2	29.5	
	PEP	.c	.0	.0	•		.4	. e	.5	.0	•2	3.2	
10+	NO PCP	3.3	2.0	2.8	5.0	8.3	16.3	10.9	4.0	•0	12.0	04.7	
	101 %	3.3	2.0	3.4	5.1	9.1	16.8	11.6	4.5	.0	12.2	67.9	
	TOT DBS												623
	TOT PCT	4.3	3.0	4.7	8.5	13.1	23.3	16.0	5.6	.0	20.3	100.0	

TABLE 9

								PECTION ES OF V			Er		
VSRY (NM)	SPD KTS	N	٩E	E	SE	s	5¥		44	VAR	CALM	PCT	TOTAL Des
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	. 4	.1	.c	.0	.0		.0		.5	
	11-21	.2	.0	.0	.0	.ŏ	.0	.0	.0	ŏ		. 2	
	22+	.0	.0	.0	.0	.0	:0	.0	.0	.0		.0	
	TOT #	.2	.0	• •	.1	.0	.0	.0	.0	.0	.0	. 6	
	0-3	.0	.0	.c	.0	٠.	٠.	.e	.0	.0	.2	.2	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.c		.0	
	11-21	.0	٠.	.2	٠,	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•0	•0	• 2	.0	•0	.0	.0	.0	.0	.2	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	•0	•0	•0	•0	•0	.0	.0	•0	.0		.0	
	11-21	•c	•0	•0	.0	.2	.0	٠,	.0	.0		.2	
	22+	•0	•0	•0	•0	•0	.0	.0	•0	.0		.0	
	TOT \$	.0	•0	•0	•0	•2	.0	.0	.0	.0	.0	.2	
	0-3	.0	•0	•0	.0	•0	•	-1	.0	.0	.0	.2	
2<5	4-10	٠.	-0	•0	.2	•0	.4	. 2	. 2	.0		.1	
	11-21	.1	.0	•0	.0	•0	•	. 3	•	۰.		.5	
	22+	.0	•0	•0	•0	• 1	.2	.0	.0	.0		.3	
	TOT \$	-1	.0	•0	• 2	•1	.7	.6	•	٠.	.0	1.7	
	0-3	٠2	.3	• 4	1.0	1.0		.2	.2	.0	8.0	12.6	
5<10	4-10 11-21	:2	.7	.5	1.6	1.9	2.4	1.4	1.2	•0		9.8	
	22+			•0	•0	• • •	1.9	1.6	.1	.0		4.8	
	TOT %	:7	1.0		0	0	6	5	.5	•0	_	1.6	
		-	1.0		3.3	3.7	5.7	3.7	2.0	.0	8.0	26.9	
10+	0~3 4-10	2.4		?	.5	1.2	2.3	3.2	1.5	٠.	12.8	23.7	
104	11-21	.1	1.2	2.5	3.9	6.5	10.1	6.0	2.7	•0		35.3	
	55+	:6	٠0	•0	.5	1.6	4.2	2-1	.2	.0		8.7	
	TOT #	3.2	2.0	3.3	4.9	9.4	16.9	11.5	4.4	.0	12.8	68.3	
3	TOT DES												441
	INT PCT	4.2	2.9	4.6	8.5	13.3	23.3	15.8	6.4	•0	20.9	100.0	441

•	N	٠

*ER100:	(PRIMARY)	
	(DVFS-ALL)	1857-1972

AREA 0007 SARAWAK 3.7N 111.6E

PERCENT	FREQUENCY I			>4/81	AND

HOUR (GHT)	000 149	150 299	300 509	999	1000	2000 3499	3500 4999	5000 6499	6,200 7099	*000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	•0	•0	6.1	11.3	4.3	3.5	•0	.0	1.7	27.0	73.0	115
<b>90380</b>	٠.	•0	•0	4.3	6.9	6.0	3.4	•0	.0	.9	21.6	78.4	116
12615	.0	•0	•0	2.1	6.3	3.2	4.2	•0	.0	1.1	16.8	83.2	95
18621	3.1	•0	•0	2.0	1.2	5.1	1.0	1.0	2.0	•0	23.5	76.5	98
TOT	3	0	C	16	36	20	13	1	2	4	95 22.4	32 <b>9</b> 77.6	424

TABLE 11

TABLE 12

		PEACENT	FREQUENC	Y V\$8Y	(NH)	BY HOUR		CUPULAT					AZBA (MA)	
HOUR (GMT)	<b>C</b> 1/2	1/2<1	1 </th <th>2&lt;5</th> <th>5&lt;10</th> <th>10+</th> <th>TOTAL OBS</th> <th>40uR (GR7)</th> <th>&lt;150 &lt;50YD</th> <th>&lt;600 &lt;1</th> <th>&lt;1000 &lt;5</th> <th>1000+ AND5+</th> <th>NH &lt;5/8 AND 5+</th> <th>TÜTAL DBS</th>	2<5	5<10	10+	TOTAL OBS	40uR (GR7)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TÜTAL DBS
£03C0	. 3	.0	•0	2.7	27.8	69.0	187	60803	.0	.9	7.5	21.5	71.0	107
90360	.6	.6	•0	•0	22.9	75.9	170	90360	•0	1.0	4.9	19.4	75.7	103
12615	.6	.0	•9	2.5	30.0	06.9	160	12515	•0	1.2	4,8	14.3	<b>81.0</b>	84
18621	.6	۵.		1.2	28.2	68.7	163	16621	3.4	4.5	6.8	20.5	72.7	88
TOT PCT	.6	.3	.1	11	185 27.2	477 70-1	480 100.0	TOT PCT	.3	1.6	23 6.0	73 19.1	286 74.9	382 100.0

TABLE 13

				Ť	ARLE 1	•									TABL	E 14				
	PERCE	NT FR	EQUENC	Y OF R	ELATIV	E HUNII	DITY B	Y TEMP	TOTAL	₽CT		PERC	ENT FR	EQUENC	Y 0F 1	IND DI	RECTIO	N BY T	EHP	
TEMP F	0-29	30-39	40-49	50-59	40-49	70-79	80-89	90-100		PREG	N	NE	Ε	SE	\$	SW	¥	NW	VAR	CALM
90/94 85/89 80/84 75/79	.0	.0	.0	.2	2.1	.5 8.1	7.2	•0	•	18.6	.0	.2	.2	.3	.3	.3	.1	.0	.0	.5
85/89	.0	.0		.0	2.1	9.1	7.2	1.4	81	18.6	1.3	.5	1.2	1.0	2.0	4.8	3.0	1.3	.0	3.7
80/84	.0	.0		.0	1.4	21.8	36.0	1.4	289	47.1	3.2	1.5	3.2	2.8	9.5	18.4	3.0	1.3	.0	3.7 13.5
75/79	.0	.0		.0	.0	.2	4.4		50	11.0	.5	.2	.,	1.0	2.8	2.9	2.3	.5	.0	
70/74	.0	.0			.0	•0		.2	2	.5	.0				- 3	1		. 0		.0
TOTAL	Ö	Č			19	132		71	431	100.0	•••	•••	••	•••	•••	••	••	••	•••	•••
PCT	.0	.0	• • 0	•2	4.4	30.6	48.3	16.5			5.0	2.5	5.0	5.3	14.8	26.5	15.4	4.7	.0	18.4

TABLE 15

				• ••										••			
MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	IP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENÇY	OF RELA	TIVE HL	YTIZIN	BY HQUI	R
MAX	995	95%	50%	5%	14	HIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80~89	90-100	MEAN	TOTAL DBS
93	90 93	90	82 85	76 79	74 77	73 73	82.0	218 209	60300 60300	:0	:0	13.4	36.6	48.4	26.0	84 79	128
	\$6 90	85 88	82 83	77 77	74 75	73 73	\$1.7 \$2.8	210 #31	18621 187	•0	.0 .0	3.5 05	29.6 143	53.0 223	17.4 17.4	43 62	119 115 470
	#AX 93 94 90 88	HAX 99% 93 90 94 93 90 88 88 86	HAX 998 958 93 90 87 94 93 90 90 88 86 88 86 85	MEANS, EXTREMES AND PERCEN MAX 99% 95% 50% 93 90 87 82 94 93 90 82 90 88 86 83 88 86 85 82	MAX 99% 95% 50% 5% 93 90 87 82 76 94 93 90 85 79 90 88 86 83 79 88 86 85 82 77	MEANS, EXTREMES AND PERCENTILES OF TENTE MAX 99% 95% 90% 5% 1% 1% 19% 90% 90% 90% 90% 90% 90% 90% 90% 90% 9	MEANS, EXTREMES AND PERCENTILES OF TEMP (DE MAX 99% 95% 90% 9% 1% MIN 92 90 87 82 76 74 77 73 94 93 90 85 86 83 79 77 77 73 88 86 85 82 77 76 73 73 73 73	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) 1 MAX 99% 95% 50% 5% 1% MIN MEAN 93 90 87 82 76 74 73 82.0 94 93 90 85 70 77 73 84.5 90 88 86 83 79 77 77 82.8 88 86 85 82 77 76 73 81.9	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR  MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL  DBS  93 90 87 82 76 74 73 82.0 218  94 93 90 85 79 77 73 84.5 209  90 88 86 83 79 77 77 82.8 194  88 86 85 82 77 76 73 81.9 210	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR  MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GMT)  95 90 87 82 76 74 73 82.0 218 00603  94 95 90 85 70 77 73 84.5 209 04609  90 88 86 83 79 77 77 82.8 194 12615  88 86 85 82 77 76 73 81.9 210 18621	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR O-29 (GAT)  95 90 87 82 76 74 73 82.0 218 00603 .0 0609 .0 94 93 90 85 79 77 77 73 84.5 209 06609 .0 90 88 86 83 79 77 77 82.8 194 12615 .0 88 86 85 82 77 76 73 81.9 210 18621 .0	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FRE  MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GMT)  93 90 87 82 76 74 73 82.0 218 00603 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT PREQUENCY  MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL USS (GMT)  93 90 87 82 76 74 73 82.0 218 00603 .0 .0 .6 9 94 93 90 85 79 77 73 84.5 209 00609 .0 .9 13.4 90 88 86 83 79 77 77 82.8 194 12615 .0 .0 3.5 88 86 85 82 77 76 73 81.9 210 18621 .0 .0 .0	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR PERCENT FREQUENCY OF RELA  MAX 998 958 508 58 18 MIN MEAN TOTAL US (GMT)  93 90 87 82 76 74 73 82.0 218 00803 .0 .0 .8 24.2  94 93 90 85 79 77 73 84.5 209 08609 .0 .0 13.4 38.0  90 88 86 83 79 77 77 82.8 194 12615 .0 .0 3.5 32.2  88 86 85 82 77 76 73 81.9 210 18821 .0 .0 .0 29.6	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR PERCENT FREQUENCY OF RELATIVE MINAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS (GMT)  93 90 87 82 76 74 73 82.0 218 00609 .0 .0 .8 26.2 58.6 94 93 90 85 79 77 73 84.5 209 08609 .0 .0 13.4 36.0 40.2 10 10 10 10 10 10 10 10 10 10 10 10 10	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT PREQUENCY OF RELATIVE HUMICITY  MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL HOUR 0-29 30-59 60-69 70-79 80-89 90-100  93 90 87 82 76 74 73 82:0 218 00003 .0 .0 .8 26:2 14:4 26:6  94 93 90 85 79 77 73 84:5 209 04:09 .0 .9 13:4 36:0 40:2 C.9  90 88 86 83 79 77 77 82:8 194 12:15 .0 .0 3:5 32:2 47:8 16:3  88 86 85 82 77 76 73 81:9 210 18:21 .0 .0 .0 29:6 53:0 17:4	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR  MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR  MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL DBS (GMT)  19% 90 87 82 76 74 73 82.0 218 00603 .0 .0 .6 24.2 18.4 26.6 84 18.4 18.4 18.4 18.4 18.4 18.4 18.4 1

PAGE 508

 $\Gamma$ 

{

PERIOD: (PRIMARY) 1928-1972 (OVER-4LL) 1857-1972

TABLE 17

AREA 0007 SARAWAK 3.7N 111.8E

		_							
AIR-SEA	73	77	81	85	89	>92	101	¥	40
THP DIF	76	80	84	89	92			FOG	FBG
9/10	.0	.0	.0	. 2	. 3	.,	4	.0	•7
7/8	.0	•0	.0	.8	. 5	.5	11	•0	1.8
6	.0	.0	.0	1.0	. 3	•0		•0	1.3
5	•0	•0	.3	1.0		.0	13	•0	2.1
4	.0	•0	.7	1.8	.8	•0	20	•0	3.3
3	•0	•0	1.8	1.5	.7	•0	24	•0	3.9
2	•0	.0	2.0	1.6	. 3	•0	24	•0	3,9
1	.0	• 3	3.4	2.6	.0	•0	39	•0	6.4
0	.0	1.4	7.0	3,9	.2	•0	79	•0	12.9
-1	•0	2.4	9.6	3,3	. 2	•0	95	•0	15.5
-2	.0	2.3		1.6	.0	•0	101	•0	16.5
-3	.2	1.3	8.3	. 8	.0	.Q	65	•0	10.6
-4	٠2	3.1	5.5	.0	٠.	•0	54	.0	8.5
-5	.3	1.6	3.3	. 3	.0	.0	34	• 2	5.4
-6	.3	2.0	.5	• ၁	• 0	•0	17	•0	2.8
-7/-3	.5	2.1	.7	•0	.0	•0	20	.0	3.3
-9/-10	.0	.5	.0	•0	.0	•0	3	٠.	.5
-11/-13	.2	•2	٠.	•0	٠,	٠٥.	2	•0	.3
TOTAL	10		341		25			1	915
		108		125		4	613		
PCT	1.6	17.6	55.6	20.4	4.1	.7	100.0	•2	99.8

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

				PC	T FREQ I	F WIND	SPEED	KTS) AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)	ı	
				N							NE		4.0.	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1 1-2	.0	2.2	•0	•0	•0	•0	1.6	.•0	1.6	.0	•0	•0	•0	1.6
3-4	.0	*.0	•0	•0	.0	•0	2.2	1.0	.0	•0	•0	•0	.0	1.8
5-6		.0	.6	.0	ö	.0	.6	•0	.0	.0	•0	•0		•0
7	.0		.0	.0	.0	:0	.0	.0	.0	.0	•0	•0	:0	.0
8-9	:0		•0	.0	.0	.0	•	.0	.0	•0	••	•0	.ŏ	.0
10-11	·ŏ	.ŏ		••	.0	.0	.0	ŏ		.0	•0	•0	.0	• 6
12	.0		.0	.0		.0	.0	ě	ŏ		•0	.0	.ŏ	•0
13-14			.0		.0		.0	ŏ		.ŏ	.0	.0	.0	ě
17-19			ŏ	.0		.0	.0	ŏ	.0	.0	.0	.0	.ŏ	ě
20-22	, ŏ	.0	.0	.0		.0	.0	ě	č	ŏ		•0		.ŏ
23-25	.0	.0	.0	•0	.0	•0	.0		.0		.0	.0		•0
26-32	.0	.0	•0	• 0	•0	•0	.0	•0	.0			•0	.0	•0
33-40	.0	•0	.0	•0	.0	•0	.0	.0	.0	.0	•0	•0	.0	•0
41-48	.0	.0	•0		•0	٠Ŏ	•0	•0	.0	.0	.0	•0	.0	•0
39-60	.0	.0	.0	•0	•0	•0	•0	.0	.0	.0	.0	•0	.0	• 0
61-70	.0	•0	•0	•0	•0		•0	•0	•0	.0	•0	•0	•0	•0
71-96	•0	.0	•0	.0	٠.	•0	•0	.0	.0	.0	.0	•0	.0	.0
87+	.0	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0	•0	.0	•0
TOT PCT	.0	3.8	1.2	•0	•0	•0	5.0	1.0	2.4	•0	•0	•0	•0	3.4
				E							SE 22-33			
HGT	1-3	4-10	11-5,	22-33	34-47	48+	PCT	3		11-21	22-33	34-47	48+	PCT
<1	1.6		•0	-0	•0	٠0	2.4	.2	. 2	.0	•0	•0	•0	.4
1-2	. 6	.0	.0	•0	.0	•0	.6	,1	1.8	.0	٠0	•0	.0	2.6
3-4	.0	1.6	•0	٠.0	.0	•0	1.6	•0		•0	•0	•0	•0	•0
5-6	.0	.0	•0	.0	.0	•0	•0	•0		•0	,0	•0	•0	•0
,7 8-9	٠.0	•0	•0	•0	.0	•0	•0	• 2		.0	•0	•0	•0	•0
10-11	.0	.0	•0	.0	.0	•0	•0	•0		•0	•0	•0	.0	•0
12	.0	.0	•0	.0	•0	.0	•0	.0		•0	•0	•0	.0	•0
13-16	:0	.0	•0	.0	.0	.0	.0	•0		•0	•0	•0	.0	•0
17-19	:0	:ŏ	ö	.0	.0	:0	:0	.0		.0	•0	.0	.0	:0
20-22	.0	.0	•0	••	.0	.0		.0			•0	•0	:0	•0
23-25	.ŏ				.0	.0	.0	ő			:0	.0	ĕ	
24-32					ö	·ŏ	•0	ŏ		.0	•0	•0	.0	
	-0													
33-40	•0	.0	•0			.0	.0	40	•0	.0	-0	•0	•0	A.G
33-40 41-48	•0	.0	•0	.0	.0	•0	•0	•0		•0	•0	•0	•0	•0
41-48	•0	.0	•0	•0	.0	.0	.0	•0	.0	.0	•0	.0	•0	•0
41-48	.0 .0	.0	•0 •0	•0	•0	•0	.0	•0	.0	.0	•0	•0	•0	•0
41-48 49-40 41-70	.0	.0	•0	.0 .0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
41-48	.0 .0	.0	•0 •0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
41-48 49-60 61-70 71-86	••	.0	•0	.0	.0	•0	•0	•0 •0 •0	•0	•0	•0	•0	•0	•0

AREA 0007 SARAWAK 3.7N 111.8E

_	 	 	 	 	 	

				PC	T FREG (	IF KIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EN HEIG	HTS (FT)			
нат	1-3	4-10	11-21	S 22-33	34-47	48+	PCT	1=3	4=10		₹¥ 22=33	(-	4		
<1	.6	1.4	.0	.0	.0	•••				11-21		34-47	48+	PCT	
1-2		8.6	1.6	.0	.0	.0	2.0	.8	13.2	0	.0	•0	٠.	1.0	
3-4	.0		1.6	.0	.0	:ŏ	2.2		3.0	4.2	•0	•0	.0	17.6 7.0	
5-6	.0	.ŏ	.0	.0	.0			ő		.6	•0	•0	.0	.8	
7	.ŏ		.0	.5	š		.0	ŏ	.0	:0	•0	•0	.ŏ	.0	
8-9	.0	:0	•0	.0	.0		.0	ŏ		.0	.0	•0	:0	.0	
10-11		.ŏ	•0	.0	.0	•0	.0		.0	.5	.0	•0	.0	.0	
12		.ŏ	·ŏ		.0		.0	ŏ	.0	.0	•0	•0	.0	.0	
13-16	ŏ	.0	•0	•0	.0	.0	.0	Ö		.3	.0	š	.ŏ	.0	
17-19	ŏ	.0	.0	.0	ň		.0	io	.0	•0	.0	•0	:0	.0	
20-22	.0	.ö	•0	.ŏ	.0	.ŏ	.0	ő		.0		ě		•0	
23-25	.0	.0	•0	.0		.0	.0	٥٥	.0	.0	.0	ŏ	ŏ	.0	
26-32	.0	.0	.0	.0	.0	.0	č	ŏ	.0	.0	•0	•0	.ŏ	.0	
33-40	.0	.0	.0	•0	.0	.0	·č	.0	ŏ	.č	.0	• 0	.ŏ	.0	
41-48	.ŏ	.0	.0	.0	.0	.0	.0	ŏ	.0	.0	.0	ŏ	ŏ	.0	
49-60	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
81-70	.0	.0	•0	•0	.0	.0	.0	.0	.0	•0	.0	•0	.0	.0	
71-86	.0	.ŏ	•0	•0			.0	.0	ě	ŏ	.0	.0	ŏ	.ŏ	
87+	, ò	.0	•0	.0	.0		.0	•0	.0	.0		•0		.5	
TOT PCT	. 6	10.8	3.2	•0	.0	• 0	14.6	1.0	16.4	9.0	.0	•0	.0	26.4	
-				_			• . • .	•••			•••	•••	•••	-50	
HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT	1-3	4-10	11-21	27+33	34-47	48+	PCT	TOTAL PCT
<1	2.4	. 3	•0	•0	.0	.0	3.0	1.6	.0		.0	.0	.0	1.6	• • •
1-2	1.4	7.2	. 0	.0	.0	.0	9.2		1.2		.0	.0	.0	2.0	
3-4	.0	1.2	2.4	•0	.0	•0	3.0	,	.0	1.0	.0	.0	.0	1.0	
5-6	.0	.0	•0	•0	•0	.0	.0	.5			.ŏ	ě	.0	2	
7	.0	.0	•0	.0	.0	.0	.0	, c	.0			.0			
8-9	.0	.0	•0	.0	.0	•0	.0	.0	•0	.0	.6	•0	.0	.0	
10-11	.0	.0	•0	•0	.0	•0	•0	•0	.0	•0		•0	.0	•0	
12	. 0	.0	.0	•0	.0	.0	.0	Ċ	. 0	.0	.0	• 0	.0	.0	
13-16	.0	.0	• 6	•0	.0	.0	.0	.0	.0	.0	•0	•0	.0	••	
17-19	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
20-22	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	•0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	•0	
33-40	.0	.0	.0	•0	.0	.0	,ŏ	.0	٥٠	ŏ		.0		.0	
41-48	.0	.0	.0	.0	.0	•0	.0	• 2	.0	.0	.0	.0	.0	•0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	ō	. 5	.5	.0	.5	ŏ	ŏ	
71-86	.0	.0	•0	.0	.0	.0	•0	.0	•0	.0	•0	•0	.0	.0	
87+	, ö	.0	.0	.0	.0	.0	.0	ő	.0	ñ	.0	.0	.ŏ	.0	
		• •							. • •	. • •	•••	•••	•••	•••	

#### WIND SPEED (KTS) VS SEA HEIGHT (FT)

нет	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	31.8	6.2	.0	.0	.0	.0	38.0	OBS
1-2	4.7	34.1	6.2	.0	.0	.0	45.0	
3-4	.0	6.2	9.3	.0	.0	.0	15.5	
5-6	.0	.0	1.0	.0	.0	.0	1.6	
7	.0	.0	.0	.0	.0	.0		
8-9	.0	•0	•0	.0	.0	.0	•0	
10-11	.0		.0	ŏ	.0	.0	.0	
12	.0	.0	• 0	.0	•0	.0	•0	
13-16	.0	•0	.0	.0	.0	.0	.0	
17-19	.0	.0	•0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	•0	.0	.0	
23-25	.0	.0	•0	.0	•0	.0	.0	
26-32	.0	.0	• 0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	•0	.0	•0	.0	.0	
49-60	.ŏ	•0	• 0		.0	•0		
61-70	•0	.0	•0	, c	.0	• 2	•0	
71-86	.0	.0	.0	.0	•0	.0	.0	
97+	.0	.0	.0	ō	.0	.0	.0	
**** ***	26.4	44.8	17.1	•••			100.0	129

PERIODI (OVER-ALL) 1949-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6_	10.9	27.3	12.4	2.9	.0	.4	•0	.0	.0	.0	:0	.0	.0	•0	.0	.0	.0	.0	.0	148	2
6-7	•0	5.5	6.9	4.0	.7	٠.	.0	.0	.0	.0	:0	•0	.0	.0	.0	.0	.0	.0	٠.	47	3
8-9	•0	•0	.4	1.1	.7	.0	• • •	.0	.0	٠.	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
10-11	•0	•0	.0	.4	.4	. 4	•0	.0	.0	.0	.0	.0	.0	. Õ	.0	.0	.0	.0	.0	3	7
12-13	•0	.0	.7	.0	.0	.0	• • 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	, o	.o	.ŏ	.0	.õ	ŏ	-
INDET	21:1	2.2	1.1	.7	.0	.0	•0	.0	•0	.0	:0	٠.	.0	.0	.0	.0	.0	. 0	.0	69	0
TOTAL	88	96	59	25	5	2	0	0	٥	0	0	٥	Ó	0	Ò	Ď	0		ă	275	,
PCT	32.0	34.9	21.5	9.1	1.8	.7	+0	.0	•0	.õ	.0	•0	, ă		.ŏ	.ŏ	.ă			100.0	•

į-

TABLE 1

AREA 0007 SARAWAY 3.6N 111.8E

1	RCENT	PRECHENCY	ΠĒ	WEATHER	OCCURRENCE	AY	ETNO	DIRECTION

				RECIPI	CITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
NNO IA	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	FOG NO PCPN	FOG WO PCPY PAST HR	SHOKE	SPRAY RLWG DUST BLWG SNOW	NO SIG WEA
PI NE SE Sb Ch VAR CALM	3.4 13.6 7.0 3.9 1.4 5.6 3.4 3.4	2.6 .8 .0 .0 1.1 2.4 5.9 3.4	.0 .0 5.2 1.4 .0 1.6	000000000000000000000000000000000000000		000000000000000000000000000000000000000	00000000000	6.0 14.4 7.0 9.1 3.9 7.5 12.9 7.6	6.0 .0 5.2 1.4 3.0 3.5 5.1	14.5 .0 .0 2.6 3.5 6.3 10.2		000000000000000000000000000000000000000	.0 .0 .0 .0 1.4	•0 •0 •0 •0 •0 •0	76.9 64.7 +3.0 85.7 91.8 66.0 77.2 77.1
TOT PCT	4.0 602	2.7		.0	•0	•0	•0	7.5	2.5	4.5	•0	.0	.3	•0	85.5

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	OI TAT	N TYPE					STHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIH	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PSPH	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18611	4.1 3.1 3.6 4.3	4.1 3.1 .6 2.2	.6 1.2 .7	.0	••	•0	.0 .0 .0	8.8 6.9 5.5 7.2	4.7 1.3 1.2 2.2	2.4 .0 6.7 9.4	.000	.0	.6 .0 .7		84.7 91.8 86.7 80.4
TO: "17	3.8 532	2.5	.8	•0	•0	•0	•0	7-1	2.4	4.4	•0	•0	.3	•0	86.1

TARLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33		48+	TOTAL	Pet	HEAN	00	03	96	HDUR 99	(GHT)	15	18	21
							CBS	FREG	SPD								
N NE	1.9	2.0	:7	•0	•0	•0		4.5	5.7 5.0	4:1 3:1	2.5	4.7	4.0	6.0	5.2 4.2	4.5	3.5 4.2
E	• 7	2.1	.0	•0	•0	•0		2.8	5.1	3.0	3.1	3,8	1.6	1.9	4.2	2.7	2.8
ŞE	1.5	3.5	.7	-0	•0	•0		5.8	6.	11.0	8.1	4.7	3.2	2.5	2 - 1	3.7	9.5
\$	2.6	8.7	1.6	• 1	•0	• 0		13.1	6.4	17.8	11.3	19.2	14.5	9.2	6.3	7.7	10.9
Sw	5-4	19.0	4.9	1.0	•0	•0		304	7.9	27.6	33 - 1	34.9	35.5	25.9	29.7	28.5	33.8
ď	2.5	10.6	3.4	.7	•0	•0		17.2		12.5	16.9	11.2	17.7	20.4	29.2	21.0	19.0
Nu	1.3	2.4	. 9	•0	•0	•0		4.6	6.7	1.6	.0	5.0	4.1	9.0	8.9	4.2	.7
VAR	• 3	•0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
CALM	17.2							17.2	.0	19.1	20.0	13.7	16.1	10.9	10.4	23.8	15.5
TOT COS	261	366	94	14	0	٥	755		6.1	152	40	139	62	142	48	101	71
TOT PCT	34.6	51.1	12.5	1.9	•0	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.0

TARLE 34

					-							
WHO DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	70TAL OBS	PCT FREQ	HEAN SPD	00	HBU1 06 69	(GHT) 12 15	18 71
N	2.9	1.5	.1	.0	.0		4.5	5.7	3.6	4.5	5.6	4.1
HE	3.3	1.1	•0	•0	.0		4.4	5.0	3.5	2.7	7.2	4.1
E	1.5	1.4	,0	ō	.0		2.4	6.1	3.0	3.1	2.5	2,6
ŠĘ	3.7	1.9	.1	.0	.0		5,4	6.1	10.4	4.2	2.4	6.1
5	7.6	4.9	. 6	.0	.0		13.1	6.0	16.4	17.8	8.4	9.0
94	16.2	11.5	2.4		.0		30.4	7.9	20.0	39.1	26.8	30.7
ů.	7.1	7.9	2.1	•1	•0		17.2	8.6	13.4	13.2	12.6	2042
NW	2.5	1.9	2	.0	.0		4.6	6.7	1.4	\$.0	8.9	2.6
VAR		•••	.0	iŏ	.0		63	.0				0
CALH	17.2	•••	•••	•••	•••		17.2	.0	19.3	14.4	15.3	20.3
TOT DES	467	242	41	3	0	755		4.1	192	201	190	172
TOT PCT	62.1	32.1	5.4		:0		100.0	,		100.0		100.0

٠.	 	

PERIOD: (PRIMARY)	1928-1972
(OVER-ALL)	1857-1972

TARLE 4

AREA 0007 SARAWAK 3.6N 111.5E

PERCENTAGE	PREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10		SPEED (		48+	WEAN	PCT FREQ	TOTAL
60400	19.3	17.7	46.9	15.1	1.0	.0	.0	6.0	100.0	192
90360	14.4	16.4	50.2	15.9	3.0	.0	٠.	6.9	100.0	201
12615	15.3	20.5	54.2	7.4	2.6	•0	•0	5.8	100.0	190
18621	20.3		53.5	11.0	.6	.0	.0	5.7	100.0	172
TOT	130	131	386	94	14	0	0	6.1		755
PCT	17.2	17.4	51.1	12.5	1.9	.0	.0		100.9	

TARLE 5

TABLE 6

P	CT FRE			LOUD A		(EIGHTHS)		PERCENTAGE PREQUENCY OF CEILING ME,GHTS (FT,NH >4/8) AND OCCURRENCE OF NM <5/2 BY WIND DIRECTION										
WND DIR	0-2	3-4	5-7	8 & nbscd	TOTAL CBS	HEAN CLOUD COVER	000 149	150 294	300 599	600 949	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	B\E> HH TOH YMA	
N	1.2	1.7	.9	.9		4.2	•0	•0	.0	.0	.9	. 3	.0	.0	.0	.0	3,5	
ΝE	.,7	1.1	2.0	.7		5.0	• 0	.0	.0	. 3	1.0	• 2	.0	•0	•0	•0	3.0	
7.			2.3	.5		5.0	•0	.0	.0	.0		. 5	.0	.0	•0	.0	3.0	
E.				1.7		6.1	• 6	• 0		.0	š	. 7	.e	•0	•0	. 3	3.7	
ŞE	?	9	3.1				•0	•0	ž	.,	1.1	1.6	.c	.0	•0	.3	7.1	
5	2.1	2.5	6.0	•6		4.7										• •	17.3	
S₩	3.7	4.7	9.7	10.5		5.7	• 6	• 3	. 2	1.0	3.6	1.9	1.6	1.2		• 3		
~	2.3	2.7	6.6	6.1		5.7	1.6	•0	.2	1.2	2.6	1.6	.0	• 3	•0	.3	10-1	
ÑK	.3	. 8	1.2	1.1		5.5	• 0	•0	. 3	.0	.3	• 2	.0	•0	•0	•0	2.6	
VAR	.0	.0		.0		.0	•0	.0	.0	.0	.0	.0	.c	•0	•0	•0	•0	
								• 1	.0	.3	1.6	.6	.0	•0	•0	.0	17.1	
CALM	5.3	6.2	6.2	1.9		4.1	•0	•?	• •	14		24	• • •		• • • • • • • • • • • • • • • • • • • •	• * *	217	322
TOT DES	53	49	123	77	322	5.2		1			40					1.2	67.4	100.0
TOT PCT	16.5	21.4	38.2	23.9	100.0		2 • 2	• 3	1.0	4,3	12.4	7.5	1.0	1.6	•0	1.2	0.14	

TABLE 7

#### CUMULATIVE PC: FREQ OF SIMULTAHEDUS OCCURPENCE OF CEILING HEIGHT (NH 34/8) AND VSBY (NH)

				VSBY (NH	1)			
C€ILING	■ OR	· OR	• DR	■ DX	- OR	- OR	= JR	• CR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
- DR >5000	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
# CR >3506	5.0	5.8	5.8	5.8	5.8	5.8	5.4	5,8
■ DR >2000	21.4	12.8	13.1	13.4	13.4	13.4	13.4	13.4
* DR >1000	21.0	24.2	25.1	25.4	25.4	25.4	25.4	25.4
■ DR >600	23.6	28.3	29.2	29.4	29.4	29.4	29.4	29.4
• OR >300	23.9	29.4	30.6	30.9	30.9	30.9	30.9	30.9
• OK >150	23.9	29.7	30.9	31.2	31.2	31.2	51.2	31.2
• OR > 0	23.9	30.0	32.1	32.9	32.9	32.9	53.2	33.2
TOTAL	82	103	110	113	113	113	114	114

TOTAL NUMBER OF OBS1 343

PCT FREQ NH <5/81 66.8

#### TABLE .

## PERCENTAGE FREQ OF CON CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 10.6 14.1 18.1 13.9 9.3 7.1 9.3 8.3 7.6 1.8 397

PAGE 512

e e

( · )

,

PERIOD: (PRIMARY) (OVER-ALL)							TA	ALF 8				ARE	A 0007	SARAWAK 3.6N 111.8
		P	ERCENT					AZ BCC					E OF	
VSBY (NM)		N	NE	F	SF	s	S×	•	ĦĦ	VAR	CALK	PCT	TOTAL OBS	
	PCP	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0		
<1/2	ND PCP	.0	.0	•C	.0	.0	.0	•C	.0	.0	.0	•0		
	TOT \$	•0	•0	•0	.0	•0	•0	.0	•0	•0	•0	.0		
	PCP	.0	٠0	•0	.0	•2	.0	.0	•0	.0	•0	.2		
1/2<	1 NO PCP	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0		
	<b>707 %</b>	•0	•0	•0	.0	•2	•0	.0	•0	.0	•0	.2		
	PCP	.0	• •	•0	•0	•0		.4		.0	•0	.5		
1<2	NO PCP	.1	.0	.0	.0	•0	• 2	.0		.0	. 0			
	TOT %	- 1	.0	.0	•0	•0	• 2	. 4	•1	•0	.0	.8		
	PCP	.0	٠.	•0	•0	•0	. 2	.4	•2	.0	•0	.8		
2<5	ND PCP	.2	.0	.0	.0	• 2	. 2	. 1	•	.0	• 2	1.5		
	TOT \$	. 2	.0	.0	.3	•2	.7	, 5	• 2	.0	• 2	2.3		
	PCP	. 2	.5	.1	.6	•0	1.1	1.1	•0	.0	.3	3.8		
5<10	NO PCP	1.1	1.5	. 8	1.5		8.1	5.4	2.0	.0	6.8			
	TOT %	1.2	2.0	, 9	2.1	3.4	9.2	6.5	2.0	.0	7.1	34.4		
	BCb	.1	.2	.2	.0	.3	.7	.4	.2	.0	•2	2.2		
10+	NO PCP	3.2	2.7	2.5	4.3	7.6	16.4	9,9	2.5	.0				
•••	TOT \$	1,1	2.9	2.7	4.0	7.9	17.1	10.3	2.7	·ó	11.5	62.3		
	TOT DBS												602	
	TOT ACT	A . 9	4.0	3.4	4.4	11.7	27.2	17.7	4.0	. ^	18.8	100.0		

TABLE 9

			•	PERCENT	FREQ	DF WI	ND DIR VALUE	ECTION S OF V	VS WII Isibil	ND SPE [TY	ED		
YB2V (NN)	SPD KTS	N	NE	E	SE	\$	SW	w	NW	VAR	CALH	PCT	TOTAL 085
	0-3	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.ŏ	iŏ	.2	.0	.0	.0		.0	
	22+	.0	.0	•0	.0	.0	.0	٠.	.0	.0		.0	
	TOT \$	.0	.0	•0	.0	.0	.2	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	•0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•0	.0	.2	.0	.0	.0	.0		.2	
	22+	٠.	.0	•0	.0	.0	.0	.0	.0	.0		:0	
	TOT \$	۰.	.0	•0	.0	.2	.0	.0	.0	•0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	•0	.0	.0	.0	.1	٠	.0		.2	
	11-21	.1	•0	•0	•0	•0	٠2	. 3	•	.0		.6	
	22+	.0	•0	•0	•0	•0	.0	•0	•0	.0		.0	
	T01 \$	•1	•0	•0	•0	•0	.2	• •	•1	.0	•0		
	0-3	.2	.0	•0	.0	.0	.3	-1	•	.0	.2		
2<5	4-10	.0	.0	•0	.3	•2	.5	•2	.2	.0		1,3	
	11-21	.0	• •	•0	.0	•0	-1	.2	.0	.0		.3	
	22+	•0	•0	.0	•0	•0	.0	0	•0	.0		.0	
	TOT \$	•2	•0	•0	.3	•2	.,	.5	•2	.0	•2	2.4	
	0-3	.2	?	.3		2:3	2.5	1.0	.6	.0	6.6	13.7	
5<10	4-10	1.0	1.2	.6	1.5		4.2	3.2	. 8	.0		14.4	
	11-21	.2	•0	•0	.2	•2	1.3	1.1	.5	٠.		3.5	
	55+	.0	•0	•0	.0	.0	. •	. • •	.0	.0	_	1.7	
	TOT \$	1.3	1.9	,9	5.0	3.4	9.0	6.2	1.9	.0	6.8	33.3	
	0-3	1.3				1.7	1.6	1.4		.0	11.1	19.4	
10+	4-10	1.3	2.2	2.0	2.6	5.8	12.1	7.6	1.3	.0		34,9	
	11-21	.6	• 2	•0	.7	1.1	3.4	1.9	•	•0		8.4	
	22÷	.0	•0	•0	.0	.0		•0	•0	.0		3	
	TOT \$	3.2	3.1	2,5	3.7	1.5	17.4	10.9	2.7	•0	11.1	63,2	
	OT DES												633
1	TOT PCT	4.8	5.0	3.4	4.2	12.2	27.6	18.1	4.8	.0	18.0	100.0	

1

ARSA 0007 SARAWAK 3.6N 111.5E

# PERCENT FREQUENCY OF CFICING MELGHTS (FEETANH >4/8) AND OCCURRENCE OF NH <5/8 BY MOUR

HDUR (GMT)	000 149	150 299	300 599	199	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	6000+	TOTAL	NH <5/8 ANY HGT	
00203	1.9	•0	2. ,	1.9	15.4	6.7	2.9	2.9	.0	1.0	35.6	64.4	104
90360	2.7	٠:	.9	7.2	16.2	9.0	1.8	1.8	.0	•0	39.6	60.4	111
12615	).2	.0	1.2	2.4	4.7	5.9	1.2	3.5	.0	2.4	22.4	77.6	65
18631	1.3	1.3	.0	2,6	3.9	5.3	1.3	1.3	.0	1.3	18.4	81.6	76
TOT	7	.3	1.3	14	41	9.0	7	2.6	0	1.1	114	242 69.7	376

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY 4581	(KR)	RUCH YA		CUMULAT					VSRY (NH) NUCH YBAC	
HOUR (G4T)	<1/2	1/2<1	1<2	2<5	5<10	16+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <b>&lt;</b> 1	<1000 <5	1000+ AND5+	N4 <5/8 AND 5+	TOTAL OBS
£0300	•0	.6	•0	.6	28.8	70.1	177	00603	2.1	5.3	7.4	31.6	61.1	95
90360	.6	-0	.6	3.0	26.6	69.2	169	90360	2.9	3.9	13.7	30.4	55.9	102
12615	.5	.0	1.2	2.4	39,4	56.5	170	12615	1.3	2.6	10.4	16.9	72.7	77
18621	•0	.0	2.0	3.4	34.0	50.5	147	18621	1.4	2.9	7.2	13.0	79.7	69
TOT PCT	.3	.2		15 2.3	213 32.1	426	663 100.0	TOT PCT	7	13	34 9.9	83 24.2	226 65.9	343 100.0

TABLE 13

				TABL	E 14				
	PEPC	ENT FR	EQUENC	Y 0F 6	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SH	W	NW	VAR	CALM
1.2 3.0 .8	.0 .8 3.8 .1	.2 .5 2.7 .0	1.6 3.0 1.4	2.3 6.7 1.4	5.6 18.6 3.0	2.8 14.7 1.4	1.3 3.1 .8	.0000	3.9 10.1 1.9

6.5 4.7 3.6 6.7 10.4 27.3 19.2 5.2 .0 16.6

TABLE 15

	WENNO!	EXTREM	ES AND	PERCEN	ITTLES	OF TER	IN (DE	GF)	Y HOUR
HOUR (GHT)	MAX	994	<b>+5</b> %	50%	54	1 \$	MIN	MEAN	TOTAL
£0300	92	90	8.8	83	74	74	73	82.2	201
90360	94	91	90	84	78	77	74	84.2	204
12615	90	87	86	83	79	77	73	82.8	198
18621	86	85	84	82	77	75	73	61.6	177
TOT	96	۷n	20	82	77	79	73		780

TABLE 16

	PERG	ENI FRE	<b>WOENCY</b>	OF RELA	ILAE M	וו נטנייט	DY MUUI	•
SUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DAS
00603	.0		3.9	33.1	41.7	20.5	82	127
90360	•0	•0	11.7	56.8	22.5	9.0	78	111
12615	.0	•0	2.7	39.1	46.4	11.8	82	110
18621	.0	•0	2.1	30.5	48.4	18.9	83	95
101	0	1	23	177	175	67	<b>8</b> 1	443

{

PAGE 514

JULY

PERIOD: (PRIMARY) 1928-1972 (OVER-ALL) 1857-1972

TABLE 17

AREA 0007 SARAWAK 3.6N 111.8E

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	89 92	707	¥06	+06 H0
11/13	.0	.0	٠.	.0	•2	1	•0	•2
9/10	.0	•0	.0	. 2	.5		•0	•7
7/8	.0	.0	.2	. 3	. 2	4	.0	.7
	.0	.0	٥.	. 3	.5	5	•0	.9
ž	.0	.0	.0	1.9	.9	16	• 0	2.7
6 5 4 3 2 1	.0	.0	1.5	1.7	. 5	22	.0	3.8
		.0	1.5	7	1.2	26	• •	4.4
•	.0	.0	5.5	3.6		53	.0	9.0
•	• • •	.9	3.8	4,1	.0	51	.0	8.7
<u> </u>	•0	.,	7.5		ž	61	ě	10.4
Ų	٠.		6.7	2.7				
-1	.0	1.0	9.9	1.2	.0	71	• ^	12.1
-2	.0	. 9	13.7	.7	•0	89	•0	15.2
-3	.0	2.0	8.9	•0	.0	64	•0	10.9
-4	.0	3.4	4.6	.0	.0	47	• 0	8.0
-9	.2	1.5	1.2	.2	.0	1.0	•0	3.1
-6	.7	2.0	.5	9.0	.0	19	• 0	3.2
-7/-8	. 9	2.2	.3	.0	٠.٥	20	.0	3.4
-9/-10		. 9	.2	. 5	.0		•0	1.4
	.,	.3	:5	.0	.5	÷ 7		1.2
-11/-13		• • •	342	••	24	•		586
TOTAL	17		542		24		U	200
		94		109		586		
PCT	2.9	16.0	58.4	18.6	4.1	100.0		100.0

PERIOD: (DVER-ALL) 1963-1972

TABLE 18

				PC	T FREQ OF	WIND	SPEED (KTS	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N							46			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.5	.0	.6	•0	•0	•0	4.1	.9	. • •	•0	•0	•0	•0	1.6
1-2	.6	1.6	1.7	•0	.0	•0	4.0	. 6	1.6	•0	•0	•0	• 0	2.2
3-4	.0	.6	•0	.0	.0	.0	• 6	•0	•0	•0	-0	•0	.0	•6
5-6	.0	•0	•0	•0	•0	•0	•0	•0	•6	•0	•0	•0		
7	• 0	.0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	.0	.0
8-9	•0	.0	•0	•0	.0	-0	•0		.0	.0	••	ŏ		.0
10-11	.0	٠0	•0	•0	•0	• 0	•0	•0	:ŏ	.0	.0		.0	ě
12	.0	.0	•0	.0	• 2	•0	•0	ěŏ	.0	.0	•0	•0	.0	•0
13-16	•0	•0	•0	•0	.0	.0	•0	.5	.0	.5	.0	•0	.0	.0
17-19	•0	•0	•0	•0	•0	.0	•0	ě		•0	.0	•0		•0
20-22	.0	.0	•0	.0	•0	.0	•0	.0		.0	.ŏ	•0	.0	.0
23-25 24-32	.0	•0	•0	•0	•0	•0	•0	.0	.0	.0		•0	.0	•0
33-40	.0	.0	•0	•0	•0	.0	.0	.0	.0		•0	•0	.0	•0
41-48		.ŏ	.0	.0	.0	.0	ě	.0	.0	.0	.0	•0	.0	.0
49-40	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	•0	.0	•0
61-70	ŏ					•0	•0	.0	.0	•0	.0	•0	•0	•0
71-86	.0		.0	.0	.0	.0	•0	.0	.0	.0	•0	•0	•0	•0
87+			.0	.0	.0	٠٥	•0	•0	.0	.0	•0	•0	.0	•0
TOT PCT	4.1	2.2	2.4	•0	.0	.0	8.7	1.6	2,8	.0	•0	•0	.0	4.4
				£							SE		40.	PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PGT	1-3	4-10	11-21	22-33	34-47	48+	
<1	1.3	.5	•0	.0	•0	-0	1.7	,,	. 3	.0	•0	•0	•0	1.1
1-2	.0	1.1	•0	.0	.6	•0	1.1	•0	4.3	•0	.0	•0	:0	4.3
3-4	•0	•0	•0	•0	.0	•0	•0	• 0	•0	.6	.0	.0	:0	
5-6	٠.٥	.0	•0	.0	•0	•0	•0	•0	:0	.0	.0	.0	ŏ	
7	•0	.0	•0	.0	.0	•0	•0	.0	:0	.0	:0			ŏ
1-7	•0	.0	•0	.0	.0	.0	•0	.0		.0	.0	•0		•0
10-11	•0	.0	•0	.0	.0		.0	ŏ		.0	.0	•0	•0	.0
12	٠,	.0	•0	•0	•0		•0	ě	.0	.0	•0	•0	•0	•0
13-16	.0	.0	•0	.0	.0	:0	:0	ŏ	.0			•0	•0	.0
20-22	.0	.0	•0	.0	•0		.0	.0	ō	.0	•0	•0	•0	.0
23-25		.0		.0	•0			.0	.0	•0	•0	•0	•0	•0
26-32	.0		.0		.0		• 6	.0	. 5	•0	.0	•0	•0	•0
33-40	.ö		.0				.0	.0	.0	.0	•0		.0	•0
41-48			•0		.0	.0	•0	.0	•0	•0	•0	•0	•0	•0
49-40	.0		.0		iŏ	.0	• 0	.0	•0	.0			•0	•0
61-70	.0	.0	•0	•0	.0	.0	•0	•0	•0	.0			•0	•0
71-86	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0			•0	•0
87+	.0	.0	•0	•0	.0	.0	•0	.0	•0	.0			.0	•.0
TOT PCT							2.8		4.6	. 6	.0		.0	

PERIGO:	COVER	-ALL)	1963-1	972				JUCY				AREA	0007	SARAWAK	
								TABLE 18 (CON	7)				3.	6H 111	.8E
				<b>≯</b> C	T FREQ	OF WIND	SPEED	(KTS) AND DIR	ECTION	VERSUS S	CA HEIG	HTS (FT	)		
нат	1-3	4-10	11-21	\$ 22-33	34-47	48+	PET	1-3	4-10	11-21	Sw 27-33	34-47	48+	PCT	
<1	2.2	1.6	.0	.0	0.	7.0	3.8	1.7	3.3		.0	.0	.0	5.1	
1-2	. 5	4.4	. 5	.0			5.4	. 6	4.7		.ö	.0	.ŏ	13.0	
3-4	. 0	2.4	1.1	.0	ň	.0	3.5	Ä	4,9		.0	.0	.0	8.2	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	. 2			•0	.0	7.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.6	.0	.0	. 6	
8-9	.0	.0	•0	.0	.0	.0	.0	.0	:0	.0	-0	•0	.0	.0	
10-11	.0	.0	•0	•0	.0	•0	•0	•0	• 0		•0	•0	•0	.6	
12	.0	.0	•0	•0	.0	.0	.0	•0	.0		•0	•0	.0	.0	
13-16	.0	.0	•0	•0	.0	•0	•0	•0	•0		•0	•0	. 3	•0	
17-19	.0	.0	•0	•0	٠.	•0	•0	•0			.0	•0	•0	.0	
20-22	•0	.0	•0	•0	.0	•0	•0	•0	.0		+0	•0	•0	•0	
23-25 24-32	•0	.0	•0	•0	.0	•0	.0	•0	.0		•0	•0	•0	•0	
33-40	.0	.0	•0	•0	.0	•0	•0	•0			•0	•0	.0	•0	
41-48	.0	.0	•0	۰.	.5	.0	•0	•0			.0	•0	•0	•0	
49-60	ě	:0	•0	.0	.0	٠0	•0	.0			.0	•0	:0	•0	
61-70	.0	.0	•0	.0	.6	•0	•0	.0	.0		•0	•0	•0	•0	
71-86	.0	:0	•0	.5	:5	.0	•0	:6			•0	•0	:0	٥.	
87+	ŏ	.0	.0	•0		.0	.0	.0			•0	•0	.0	.0	
TOT PCT	2.7	8.4	1.6	•0	.0	•0	12.7	3.2	17.1		1.3	•0		29.7	
			•		• • •		••••		• • • •	•	•••	•••	•••		
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10		22-33	34-47	48+	PCT	PCT
<b>~1</b>	2.1	1.3	•0	•0	•0	•0	3.3				•0	•0	.0	1.4	
1-2 3-4	1.1	7.1	1.9	•0	•0	•0	9.2	•3	1.6		•0	•0	•0	2.1	
5-6	.0	4:5	1.7	•0	.0	.0	4.1	•0			•0	•0	:0	.6	
7	.0	.6			.0	.0	1.3	•0			.0			•6	
4-9		.0	•6	::	.0	.0	1.3	•0	.0		•0	•0	.0	•0	
10-11	.0	.0	.0		.0	.0	•0	•0			•0	•0	.0	.0	
12	ŏ	.0		-0	:0	:0	.0	•0			.0	.0	:0	.0	
13-16	.0	.0	•0	.0	.0	.0	.0	ŏ			.0	•0	ŏ	.0	
17-19	.0	.0	·ŏ		ö		ŏ	Š			.5	.0		.0	
20-22	.0	.0	•0	.0	.5	.0	• • •	.0			.0	• 0		.0	
23-25	•0	.0	.0	.0	, n	•0	.0	,0	.0		.0	.0	.ŏ	•0	
26-32	.0	.0	•0	.0	.0	.0	•0	•0			•0	•0	:ŏ	.0	
33-40	•0	.0	•0	.0	.0	•0	.0	.0	.0		•0	•0	.0	.0	
41-48	.0	.0	•0	.0	•0	.0	•0	•0			•0	•0	.0	.0	
49-60	•0	.0	•0	.0	.0	•0	•0	.0			.0	•0	.0	•0	
61-70	•0	.0	•0	•0	.0	.0	•0	•0			.0	•0	.0	.0	
71-86	•0	.0	•0	•0	.0	•0	•0	•0			•0	•0	•0	•0	
87+	.0	.0	•0	•0	.0	•0	.0	•0	-0		.0	•0	•0	.0	
TOT PCT	3.2	11.1	4.0	1.3	.0	.0	19.5		2,2		•0	•0	•0	4.7	88.6

	FIND	SPEED	(NTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<b>&lt;</b> 1	26.5	8.0	.6	.0	.0	.0	35.2	CBS
1-2	3.7	29.6	6.8	.0	.0	.0	40.1	
3-4		9,9	6.6	.0	.0	.0	17.3	
5-6	.0	1.2	2.5		.0		4.3	
7	.0		6	1.2	•0	.0	1.9	
8-9	.0	.0			.0	.0		
10-11	•0	.0		.0	.0	.0		
12	.0			ŏ			.c	
13-16	.ŏ			ŏ	.0	.ŏ		
17-19	•0			ŏ	.0			
20-22				.0		.ŏ		
23-25		.0		.0		.,	.0	
26-32		ě		ŏ			.0	
33-40	.0	.0	.0	.0			.ŏ	
41-48	ŏ	ŏ		ö	.ŏ		.ŏ	
49-60	.0	.0	.0	.0	.0	.0		
61-70	٠٥	•0			.0		•0	
71-86			•0			-0	•0	
	•0	•0	•0		•0	.0	•0	
87+	•0	•0	•0	.0	.0	•0	•0	
TAT 861	20.0		17.0		•			162

PERIO	D: (0Y	ER-ALL	) 194	9-1972	!				TABLE	19											
					PFRCEN	T FRE	QUENCY	DF WAT	VE HEI	GHT EF	T) VS	HAVE P	ERIOD	(SECON!	)\$ )						
PFRIDD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	13.5	28.4	16.3	3.9	1.4	.0	.0	.0	.0	.0	:0	.0	.0	•0	•0	.0	.0	.0	.0	179	770.2
6-7 8-9	.0	1.4	5.0	1.8	1.1	:0	: :	:6	:0		.0	.0	:0	:0	:0	:8	.0	:0	.0	27	2
10-11	.0	.0	.0	.0	.0	.0		.4	·ò			.0	.0		.0	.ŏ	.ŏ		.ŏ	i	ıi
12-13	•0	•0	.0	.0	.0	.0	• • •	.7	.0	.0	:0	.0	.0		.0	.0	.0	ò	.0	2	īī
>13	•0	•0	.0	.0	.0	.4	• •0	.0	•0	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	1	1
INDET	19.5	2.5	1.1	•0	.0	.0	• • •	.0	•0	.0	• • • •	•0	.0	.0	.0	.0	.0	.0	.0	65	0
TOTAL PCT	33.0	33.0	23.0	18	2.	. 1	0	1.1	. 1	.0	:0	.0	.0	0	.0	0	.0	.0	.0	282	2

AUGUST

PERICD: (PRIMARY) 1930-1972 (OVER-ALL) 1879-1972

TABLE 1

AREA 0007 SARAWAK 3.7N 111.8E

DERCENT !	PREGUENCY	ΩĒ	MEATHER	DCCURRENCE	RY	MIND	BIRECTION

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FR1G PCPN	SNOw	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPH PAST Hour	THOR LTNG	FOG NO PCPN	FOG WO PCPN PAST HR	SMDKE HAZE		
N	6.7	7.8	.0	.0	.0	.0	.0	14.4	11.1	3.3	.0	.0	•0	•0	71.1
NE	7.8	7.8	.0	.0	.0	.0	.0	15.6	1.6	7.8	.0	•0	.0	• 0	75.0
E	5.4	. 0	.0	.0	.0	.0	.0	5.4	5.4	.0	.0	.0	.0	•0	89.2
ŠE	6.5	.0	.0	.0	.0	.0	.0	6.5	5.6	2.9	.0	.0	•0	.0	84.8
Š	2.9	2.1	1.1	.0	.0	.0	.0	6.1	1.1	4.3	.0	.0	2.1	.0	86.4
Šw	3.4	2.2	.,9	.0	.0		·å	6.9	. 6	3.9	.0	.0		•0	87.9
¥.	3.8	5.2	. 5		•0		•0	9.4	4.7	3.5		.0	1.9		80.5
Ñw	3.1	9.0		.ŏ		.ŏ		12.6		6.0			• 0		80.5
VAR		7.6					.0		.0		.0	ŏ	.0	•0	.0
								1.4		7.0	1.4	.0	4.2		35.9
CALM	1.4	.0	.0	.0	٠.	.0	.c	1.4	.0	7.0	1	• • •	7.2	•0	33.7
TOT PCT	3.8	3.1	.5	•0	•0	•0	•0	7.4	2.3	4.3	•2	•0	1.4	•0	84.3

TABLE 2

#### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	DITAT	N TYPE					CTHER	BEATHER	PHEND	MENA		
HOUR (GHT)	RAIN	RAIN SHWR	PR7L	FRZG PCPN	SNOK	OTHER FRZN PCPN	HAIL	PCPH AT DB TIME	PCPN PAST HOUR	THOR LTMG	FOG WO PCPN	FUG MS PCPN PAST HR		SPR BLWG BLWG	DUST	
00503 06509 12515 18521	6.9 3.2 1.2 2.3	3.5 2.4 2.5 3.0	.6	.0 .0 .0	.0	.0	.0 .0 .0	11.0 6.4 4.3 5.3	2.3 3.2 1.2 2.3	1.2 .0 5.5 10.5	.0	•0	 1.8 2.3		•0	84.4 89.6 87.1 79.7
TOT PCT YDT DBS:	3.5 594	2.9	.5	•0	•0	•0	•0	6.9	2.2	4.2	•2	•0	1.3		••	85.2

TARLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		w11	in spe	EB (KND	1753								HOUR	(GHT)			
WND DIR	0-3			22-33		48+	TOTAL OBS	PCT FREQ	MEAN SPD	90	03	06	09	12	15	18	21
N NE	.9	2.2	.5	.0	٥.	.0		3.6	6.7 5.8	3.2	1.7	3.7	.0 1.6	4.2	2.4	5.1	2.9
E	1.1	1.9	.;		:0	.0		3.1	4.7	6.5	.0	4.3	1.6	1.1	.0	7,6	5.9
3 E	1.7	4.1	.3	.0	.0	•0		6.2	6.0	8.7	1.6	8.5	3.2	5.4	4.8	1.9	5.9
S	3.7	10.8	2.0	.0	•0	.0		16.4	6.7	19.7	30.2	19.9	13.7	14.4	7.1	11.0	13.2
Sw	3.0	18.0	7,8	.5	۰,0	•0		29.9	8.5	32.1	30.2	29.1	29.0	28.8	16.7	30.5	33.8
W	3.3	12.6	4.5	.0	٠.	٠٥		20.3	7.7	13.7	1C.3	20.3	42.7	21.7	35.7	20.1	23.5
Nw	1.7	3.5	. 5	.0	.0	•0		5.7	5.7	3.2	13.4	4.3	4.8	10.5	9,5	3,4	.0
VAR	.0	.0	.0	.0	.0	.0		.0	:0	.0	•0	.0	.0	•0	.0	.0	•0
CALM	12.0							12.0		12.3	3.4	7.3	3.2	11.1	19.0	21.2	11.0
TOT CBS	107	368	106	3	0	0	464	- '	6.6	155	29	123	31	153	21	118	34
TOT PCT	28.2	55.4	10.0		•0	•0		100.0		100.0	100+0	100.0	100.0	100.0	100.0		100.0

TABLE 3A

WND DIR	0-4	WIND 7-16	SPEED 17-27	(KNOTS)	41+	TOTAL	PCT	MEAN	00	HOU:	(GHT	10
	. •				•	Das	FREQ	SPL	03	09	15	21
N		1.6		^			3,6	6.7	3.0	2.9	4.0	
ŸE	2.0	*::	:0	:0	:8		źii	5.4	7;	2:4	3.0	\$:\$
e"	2.8	.3					3.1	4.7	5.4	3.7	1.0	2.0
ŠE	3.4	2.6	•0	•0	.0		6.2	6.0	8.7	7.5	5.3	2.8
\$	1.4	7.9	. 2	,ŏ	.0		10.4	6.7	21.3	18.7	13.5	11.5
Sw	11.4	16.3	2.1	•0	.0		29.9	8.8	31.8	29.1	27.3	31.3
¥	10.1	1.1	1.5	•0	.0		20.3	7.7	13.2	24.8	23.4	20.9
NW	3.1	1.9	•	.0	.0		5.7	5.7	4.9	4.4	10.3	2.6
VAR	.0	.0	.0	•0	.0		.0	.0	.0	.0	.0	.0
CAĽM	12.0						12.0	.0	10.9	6.5	12.1	19.1
TOT GAS	371	267	26	0	9	664			184	154	174	152
TOT PET	55.4	40.2	1.9	•0	•0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIPARY) 1930-1972 (OVER-ALL) 1879-1972

TARLE 4

AREA 0007 SARAWAK 3.7H 111.8E

DERCENTAGE	ERCOURNCY	DE	HIND	SPEED	AY	MAILE	/CHTS

				WIND	SPEED (	KNOTSI			PCT	TOTAL
HDUR	CALH	1-5	4-10		22-33		48+	MEAN	FREQ	OBS
00603	10.9	13.6	59.8	14.7	1.1	.0	•0	6.8	100.0	184
90360	6.5	17.5	57.1	18.8	٠.0	. U	• 0	7.1	100.0	154
12615	12.1	17.2	54.0	16.7	.0	:0	.0	6.4	100.0	174
18221	19.1	16.4	50.0	13.8	.7	.0	.0	5.9	100.0	152
TOT	80	107	368	106	3	Ŏ	0	6.6	••••	664
PCT	12.5	16.1	55.4	16.0	.5	•0	٠.5		100.0	

	, , , , , , , , , , , , , , , , , , ,																	
1	PCT FRED DF TOTAL CLOUD AMOUNT (EIGHTHS)  BY WIND DIRECTION  HEAD												G HEIG					
WND DIR	0+2	3-4	5-7	8 C 085CD	TOTAL OBS	CDAES	000 149	150 299	300 599	690 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	6000+	NH €5/8 Any hgt	
N	.6	. 5	1.9	1.0		5.4	•2	• •	. 4	.0	. 2	.0	.0	.0	.0	.0	3.3	
NE	.4	1.0	.4	1.1		5.5	•0	.0	. 1	.0	. 6	.0	. 5	• 0	.0	.0	2.3	
E	.7	. 5	. 9	1.0		5,3	• 9	• 2	. 2	.0	.2	• 2	. 2	• 2	• 0	.0	2.0	
SE	. 4	. 6	2.7	1.1		6.0	•1	.0	.0	.0	1.4	.6	. 4	•0	• 0	.0	2.4	
Š	2.8	1.4	9.5	4.1		5,6	. 4	• 0	.c	1.9	1.6	1.2		•0	•0	ŏ	12.0	
ŠW	4.7	5.0	11.0	8.5		5.3	• 2	•0	. 3	1.1	2.0	1.4	1.4	.5	.0		21.8	
ŭ	1.9	4.2	8.7	4.6		5.4		• 0	. 2	.7	1.3	2.1	. 4	• 0	•0	.0	14.2	
NH	1.5	1.6	1.9	.9		4.6	•1	• 6	.ī	.0	1.0		ž	•0	•0	.0	3.7	
VAR			.0	• 6		.0		•0		.,		.5		.0	.0	.0		
CALH	3.2	3.0	4.7	2.5		4.6	•0	•0	ž	ó	1.0	-		.0	•0			
TOT CAS	63	71	168	199	401	5.3	••	• "	• 6	15	138	24	13	• • •	• 0	•0	11.7 294	401
TOT PCT	15.7	17.7	41.9	24.7	100-0	,,,	1.5	•0	1.5	3.7	9.5	6.0	3.2	.7	•0	.5	73.3	100.0

TARLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBV (NH)

				VSBY (NY	3			
CEILING	<ul> <li>OR</li> </ul>	• DR	• DR	= NR	● DR	• OR	• OR	<ul> <li>DR</li> </ul>
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- CR >6500	.5	.5	.5	.5	.5	.5	.5	.5
<ul> <li>DR &gt;5000</li> </ul>	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
- PR >3500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
■ DR >2000	9.1	9.8	9.8	9.8	9.8	9.8	9.8	9.8
<ul><li>DR &gt;1000</li></ul>	16.1	10.5	18.9	19.4	19.4	19.4	19.4	19.4
. DR >600	18.2	22.2	22.7	23.1	23.1	23.1	23.1	23.1
● DR >300	19.2	23.1	24.1	24.5	24.5	24.5	24.5	24.5
• DR >150	17.2	23.1	24.1	24.5	24.5	24.5	24.5	24.5
. OR > 0	19.6	24.1	25.0	25.7	25.7	25.7	25.9	25,9
TOTAL	84	103	107	110	110	110	111	111

TOTAL NUMBER OF 085: 428 PCT FREQ NH <5/8: 74.1

# TABLE 74

## PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 9	BSCD	DAS
12.1	12.9	22.2	16.6	11.9	5.1	5.7	5.5	6.9	1-1	472

<b>A</b> I	16	e	Ŧ

								1002						
PERIODI (PRIMARY) 1 (OVER-ALL) 1							7,	IBLE 8				ARE	A 0007	SARAWAK 3.7N 111.4E
		P	ERCENT					AZ DCC					E OF	
VSBY (NH)		h	NE	E	ŞE	\$	Sw	W	féla	VAR	CALH	PÇT	TOTAL	
	PCP	.0	• 0	.0	•0	.0	•0	.2	•0	.0	•0	.2		
€1/2	NO PCP TOT \$	:0	.0	.0	.0	.0	•0	.2	•0	.0	•0	.0		
	PCP	.0	.0	•0	.0	•0	.0	.0	.0	.c	.0	.0		
1/2<1	NO PCP	.0	•0	•0	•0	•0	• 0	.0	.0	.0	• 2	.2		
	TOT \$	.0	.0	.0	.0	•0	•0	•0	.0	.0	• 2	.2		
	PCP	.1		.0	• 0	•0	•4	.0	.0	.0	•0			
1<2	ND PCP	•0	• 0	•0	٠.	•0	•0	.0	•0	• 0	•0	.0		
	TOT %	. 1	•	•0	•0	•0	• 4	.0	•0	.0	•0	.5		
	PCP	.1	•	.0	.0	•0	.2	.0	.2	•0	•0			
2<5	NO PCP	. 1	•	•0	.0	• 4	• 6	•1	.0	•0	.0			
	TOT %	. 3	•1	•0	•0	.4	. #	.1	• 2	.0	•0	1.8		
	PCP	.1	. 2	•5	.4	.3	. 8	.6	•1	.0	•0			
5<10	NO PCP		• •	• 5	1.3	3.6	6.0	3,3	.,	•0	2.0			
	TOT %	••	. •	.4	1.7	3.9	6.8	3,9	1.0	.0	5.0	21.1		
	PCP	. 2	. 2	.0	.0	• 7	. 6	1.0	.5	.0	.2			
10+	NO PCP	2.6	2.0	3.0	4.5	11.6	20.1	14.0	4.3	•0	10.5			
	TOT \$	2.0	2.2	3.0	4.5	12.6	20.7	15.0	4.8	•0	10.6	76.2		
	TOT UBS												555	
	TOT PCT	4.1	2.9	3.3	6.2	16.8	28.7	19.2	0.0	•0	12.8	100.0		

ł

*ABLE 9

VSBY	SPD	N	NE	E	SE	5	SH	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KT\$ 0-3	.0		•		.0		.0				•	085
<1/2	4-10		.0	.0	.0		.0	.0	.0	٠,	.0	• •	
<b>C1/2</b>	11-21	.6	:0	:0	.0	.0	.c 0.	:2	:0	.0		.0	
	22+	ě	.ŏ	.0	.ŏ	.ö	.ö		.ö	:0			
	TOT #	.0	ĕ	.ŏ	ě	.ŏ		.2	.ŏ		•0	.2	
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	.2	.2	
1/2<1	4-10	.0	•0	•0	.0	•0	•0	.0	.0	.0		.0	
	11-21	.0	•0	•0	.0	.0	.0	.0	•0	.0		•0	
	22+	•0	•0	•0	•0	•0	.0	• 0	.0	٠0	_	:0	
	TOT \$	.0	•0	•0	•0	•0	.0	.0	.0	.0	•5	•2	
	0-3	.0	•0	•0	.0	.0	. 2	.0	.0	.0	.0	.0	
1<2	4-10	-1		•0	.0	•0	.2	.0	. 2	.0		,5	
	11-21	•0	•0	•0	•0	•0	.2	• 0	.0	.0		.2	
	22+	٠,	•0	•0	.0	.0	.0	٠,٥	• •	.0	_	:9	
	TOT %	.1	•	•0	.0	•0	.3	.0	.2	.0	•0	• '	
	0-3	.0	•0	.0	.0	.0	.0	.0	. 2	.0	.0	.2	
2<5	4-10	.3	.1	•0	.0	.3	.4	• 1	.0	.0		1.2	
	11-21	•0	•0	•0	•0	•0	.3	•0	•0	.0		.3	
	22+	•0	•0	•0	•0	•0	-0	•0	.0	.0	_	.•0	
	TOT \$	.3	•1	•0	.0	.3	. 8	.1	.2	.0	.0	1.7	
	0-3	.3	.0	.0	.3	1.4		.4	.6	.0	1.9	5.8	
5<10	4-10	.5	• 6	. 2	1.1	2.1	3.5	2.0	. 3	•0		10.1	
	11-51	-1	•0	. 2	•2	.3	2.1	1.5	.1	.0		4.5	
	22+	.0	٠,٥	•0	0	_•0	. • 2	0	0	٠,٥		2	
	TOT \$		.6	.3	1.6	3.6	6.6	4.0	1.0	•0	1.9	22.6	
	0-3		.5	1.0	1.0	2.2	2.4	2.8	. 8	.0	10.3	21.9	
10+	4-10	1.4	1.2	1.8	3.3	8.7	13.3	10.6	3.4	•0		43.7	
	11-57	• •	.3	•0	.2	1.6	5.1	2.5	.5	•0		10.7	
	22+	.0	.0	0	0	0	3	0	0	•0		3	
	TOT \$	2.7	2.1	2.9	4.4	12.5	21.1	15.9	4.7	.0	10.3	76.6	
	OT OBS												57.
1	INT PCT	3.9	2.8	3.2	• • O	16.6	28.8	20.1	6.0	6	12.4	100.0	

(

u	c	11	¢	Ŧ

PERIODI	(PRIMARY)	1930-1972
	(DVFR-ALL)	1870-1972

TAPLE 10

AREA 0007 SARAWAK 3.7N 111.8E

# PERCENT FREQUENCY OF CRICING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	190 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/A	
00603	3.1	•0	.0	4.7	8.5	5.4	3.9	1.6	•0	. 8	28.7	71.3	129
90380	1.0	.0	1.9	4,9	10.7	5.8	4.9	.0	.0	•0	29.1	70.9	103
12615	.0	.0		2.5	9.2	5.8	2.5	.0	.0	•0	20.8	79.2	120
10621	.9	•0	1.9	1.9	7.5	3.7	.0	.9	.0	. 0	17.8	82.2	107
TOT PCT	, 6	.0	6 1.3	16	41	24	13	3	0	2	111	344	459

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V58Y	(NM)	BY HOUR	:	CUMULAT	IVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/6	(HP) Y82V SUCH Y840	AND/OR
HOUR (GMT)	<1/2	1/2<1	142	2<5	5<10	10+	TOTAL GBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL UBS
60300	.6	.6	.6	2.3	18.6	77.4	177	00603	3.4	4.2	11.6	21.0	67.2	119
90360	.0	.0		1.5	17.7	80.0	130	90300	1.0	3.1	10.3	20.6	69.1	97
12615	•0	.0	.6	1.0	21.3	76.3	169	12615	•0	.9	6.3	10.0	75.0	112
18621	•0	.0	1.5	1.5	21.3	75.7	136	18821	1.0	3.0	7.0	13.0	80.0	100
TCT PCT	.2	.2		11	121	477 77.3	\$12 100.0	TOT PCT		12	38	79 18-5	311 72.7	428

TARLE 13

				Ŧ	ABLE 1	3									TAB;	E 14				
	PERCE	NT FRE	OUENC	Y OF R	ELATIV	E HUMI	CITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y 0F (	IND D	RECTIO	N 8Y F	EMP	
TEMP F	0-29	30-39	40-49	50-59	40-69	70-79	80-89	90-100	CBS	PREG	N	NE	E	SE	S	SW	¥	NW	VAR	CALH
90/94 85/89	.0	.0	•0	• 2		8.3 25.2	.2 1.8 38.7	.0 .4 9.0	8 58 327	1.8 13.0 73.5	.0	.0	.0	.0	3.1	4.7	.0 3.1	.2	.0	.2 .7
85/89 80/84 75/79 70/74 TOTAL	.0	.0	•0	•0	.0	1.1 .0 156		5.4	49	11.0	2.8 .5 .2	2.0 .5	2.4 .4 .2	1.3	11.7 3.3 .0	21.2 2.1 .2	1.2	.3	••	10.1
PCT	.0	•0	•0	-	4.0			-	***,	100.0	4-0	2.5	3.3	6.2	18.6	29.1	18.4	5.6	.0	12.4

TABLE 15

				TAI	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCE	ITTLES	OF TE	IP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	ATIVE H	UHIDITY	-	l .
HOUR (GMT)	MAX	998	95%	50%	51	1*	HIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
00603 06609 12615	92 93 90	89 91 88	86 89 85	82 84 83	76 79 79	74 76 77	74 76 78	81.8 83.8 82.5	191 152 184	00203 06409 12215	•0	.7 .0	3.5 9.4 2.9	29.8 45.3 35.8	45.4 36.8 44.7	20.6 8.5 14.6	82 79 82	085 141 106 137
18621 TOT	#6 <b>9</b> 3	90	84 87	#2 #2	77 77	75 75	73 73	81.5 82.4	156 663	18621 TGT	•0	.0	1.0	26.5	53.1	19.4	63	98

PAGE 520

ί,

C

AUGUST

PERIOD: (PRIMARY) 1930-1972 (DVER-ALL) 1879-1972

TABLE 17

AREA 0007 SARAWAK 3.7N 111.8E

PCT FREO OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFFRENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	8 4 34	85 88	89 92	>92	TOT	# FNG	¥n ≉0g
7/8	.0	•0	.0	•0	• 4	• 2	2	.0	.4
6	.0	.0	.0	• 0	. 0	.0	4	.0	. 8
5	.0	.0	. 6	. 2	1.0	•0	9	.ŭ	1.8
4	.0	.0	. o		• 0	.0	4	.0	.8
ž	.0	.0	. č	1.0	• 2	ě	•	.0	1.8
3 2		.2	1.4	2,0	.0		23		4.5
ī	.0		2.9	2,7	• 5	.0	29		5.7
ò		.2		3,1	•0	.0	78	.ŏ	15.2
-1	ž	.4		1.0	.5	•0	69		13.5
-2		2.0					38		17.2
				•0		•0		.0	17.02
-3	.0	1.4		.6	•0	•0	71	•0	13.9
-4	.0	3.3	6.1	.0	•0	•0	48	.0	9.4
-5	.2	3.5	2.7	+2	•0	•0	34	•0	6,6
-6	.4	2.3	.6	• 2	• 2	•0	17	.0	3,3
-7/-8	1.0	3.1	.0	.0	٠.0	•0	21	.0	4.1
-9/-10	1.2	•0	.0	.0	• 0	•0	6	.0	1.2
TOTAL	15		334	_	11			0	512
	•••	84		67		•	512	•	,
PCT	2.9				2.1	.ż	100.0		100.0

PERIOD: (GVER-ALL) 1963-1972

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 1-3 HGT
<11-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
23-40
41-88
44-60
71-86
47-87
71-86 103 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
20-22
23-25
20-30
41-88
49-60
61-70
71-86
87
707 PCT PCT 

PERIODI	COVER									7							
		-4667	: 763-1	972				TABLE	18 (00	ONTI				AREA		SARAWAK 7n 111	
				PC	T FREG D	F WIND	SPEED	(KTS)	AND D	IRECT	I.'N	VERSUS S	EA HEIG	HTS (FT	)		
HGT 1	1-3	4-10	11-21	S 22-13	34-47	48.	PCT		1.	_•	4-10		5¥ 22-33		44.		
	2.0	10	.0	.0	94-47	0	2.0		17		1.3	11-21	.0	34-47	48+	PCT 3.4	
	2.3	7.2	1.3		.0		10.9			7	5.0	1.5	•0	•0	:0	7.2	
3-4		3.7	.,7		.0		4.4			. 0	8.6		.0	·ŏ	.0	10.6	
5-6	.ŏ		. 7	.0	.0	.0	.7			ŏ	.0			•0	.ŏ	3.4	
7	.0	.0	.0	.0	.0	•0	.0			.0	. ž		.0	.5	.0		
8-9	.0	.0	.0	.0	.0	•0	•0			• 0	.0		•0	•0	.0	.2	
10-11	.0	.0	.0	.0	•9	.0	.0			.0	.0		.0	•0	.0	.0	
12	٠٥.	.0	.0	•0	.0	•0	.0			.0	.0	.0	•0	•0	.0	.0	
13-16	•0	.0	•0	.0	• U	•0	.0			•0	•0	•0	•0	•0	.0	.0	
17-19	•0	.0	•0	•0	.0	•0	•0			•0	•0		-0	•0	.0	.0	
20-22	•0	.0	•0	.0	•0	•0	•0			.0	•0		.0	•0	•0	•0	
23-25	•0	.0	•0	•0	.0	•0	•0			•0	•0		•0	.0	•0	•0	
26-32	•0	.0	•0	.0	.0	•0	•0			•0	•0		•0	•0	•0	•0	
33-40	.0	.0	•0	.0	•0	•0	•0			•0	•0		•0	•0	•0	•0	
41-48	•0	٠,٥	•0	•0	•0	•0	•0			•0	•0		•0	•0	.0	•0	
49-60	.0	•0	•0	.0		• • •	•0			•0	•0		•0	•0	.0	.0	
61-70 71-86	.0	.0	•0	•0	•0	•0	•0			•0	.0		•0	•0	.0	•0	
87+	.0	:0	•0	.0	.0		•0						•0	•0	•0	•0	
	4.4	10.9	2.7	.0	•0	•0	18.0		• •	.0	15.1	7.9	•0	•0	.0	25.0	
10. 70.	~,~	,	2	•••	•.,	••	1000		•	•	••	***	•0	••	••	25.0	
				w									48				TOTAL
	1-3	4-10	11-21	22-33	34-47	48+	PCT			-3	4-10		22-33	34-47	48+	PCT	PCT
91	• 2	2.0	•0	.0	•0	•0	2.0		1.			.0	•0	•0	•0	2.2	
7-5	•7	12.2	. 5	.0	• ?	٠.	13.4			• ?	2.0		.0	•0	.0	2.7	
3-4 5-6	••	3.0 1.3	.7	•0	•0	•0	3.7			.0	• • • •		•0	• 0	•0	. 2	
7	.0	.5	.5	•0	•0	•0	1.3			•0	.0		•0	•0	•0	.7	
9-9	·ŏ		1.8	.0		.0	1.6			ő	Ö		•0	•0	.0	.0	
10-11			1.3	.0	.0		1.3			ŏ	ò		:0	•0	.0	.0	
12	.0			.0	ĭŏ					ň	ŏ		.0		.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	:0		.0	.0	.0	.0	
17-19	.0	.0	•0	•0	.0	.0	.0			. 0	.0			.0	.0		
20-22	.0	.0	•0	.0	.0	•0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	•0	.0	•0	•0	.0			.0	.0		,0	.5	.0	•0	
26-32	.0	.0	•0	•0	•0	• 0	.0			. ၁	.0	. 0	.0	•0	.0	.c	
33-40	.0	•0	•0	-0	٠٥	•0	.0			.0	.0	.0	•0	•0	.0	.0	
41-48	.0	٠0	.0	-0	•0	-0	•0			•0	.0	•6	•0	•0	.0	.0	
49-60	.0	.0	•0	.0	• 0	.0	.0			• າ	.0		•0	•0	.0	.0	
61-70	.0	.0	•0	•0	•0	•0	•0			.0	.0		•0	• 0	.0	.0	
71-86	•0	٠.٥	•0	•0	•0	•0	•0			.0	•0		•0	•0	.0	•0	
87+	.0	.0	•0	• c	• 0	.0	0			• 0	-,0		•0	•0	.0	.0	
TOT PCT	.7	19.1	4.9	•0	•0	•0	24.7		2	• 5	2.9	. 3	٠0	• 9	.0	5.7	19.3

	MIND	SPEED	(KTS)	VS SEA	MEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	484	PCT	TOT
<b>&lt;</b> 1	18.7	6,7	.7	.0		.0	24.0	085
1-2	6.0	33,3	3.3	ŏ	.ŏ	.õ	42.7	
3-4	•0	16.0	4.0	.0	.0	.0	20.0	
5-6	.0	2.0	4.7	iò	.0	.0	6.7	
7	•0	7.7	.7	Ö	•0	.0	1.3	
3-9	.0	.0	2.0	ŏ	.0	.0	2.0	
10-11	•0	.0	1.3	,0	.0	.0	1.3	
12	• 0	•0	.0	.0	.0			
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0		.0		.0	
20-22	•0	.0	.0	.0	.0			
23-25	•0	•0	.0	.0	.0		.0	
26-32	•0	.0	•0	.0	.0		ě	
33-40	•0	•0	·ò	.0			•0	
41-48	• 0	.0	.0	.0	.0			
49-60	•0	.0	.0		•0		.0	
61-70	•0	, 5	.0				.0	
71-84	٠ŏ	.0	.0				ě	
874	•ē	.0	.0	. 0		.0	ŏ	
TAT BCT	24.7	44.7	14.7	•	. 0		100.0	150

PERIO	01 (0/	ER-ALI	.) 194	9-1972	!				TABLE	19											
					PERCENT	FREG	URNCY D	F WA	VE HEIG	HT (F	r) ys 1	WAVE P	ERIDD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	50-55	23-25	26-32	33+40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.7	30.4	17.6	5.8	. 5	. 6	.0	.0	.0	.0	:0	.0	.0	.0	0	.0	.0	.0	.0	195	2
6-7	.3	3.5	6.7	1.7	.0	.3	.6	.0	.0	.0	:0	.0	.0			.0	.0		.0	42	3
3-7	.0	.0	1.0	1.0	.3	.0	.0	.0	.0	.0	:0	.0	.0	.0		.0	.0	.0	.0	7	Ä
10-11	.0	.0		.3	.3	.0	.0	.0	.0	.0	-0	.0	ŏ	.0			, õ	.ŏ	.ŏ	•	
12-13	.0	.0	.0	.3	.0	.0	.0	.ō	.0	.ŏ	iò	, õ	ŏ				Ö			i	•
>13	•0	.0		.0	.0	.0	.0	.0		.ŏ	ö	.0						:0		ō	•
INDET	12.5	4.2	2.9	.6	.3	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	1
TOTAL	64	119	90	31	4	3	Ž	0	ā	Õ	Ó	Ō	Ĭ	ň	0	Ď	ď	٠,	ŏ	313	;
PCT	20.4	38.0	20.0	9.9	1.3	1.0	, õ	.ŏ	.č	.ŏ	ìò.	.ŏ	,ŏ			Ō.				100.0	•

DARE \$>>

71

PERIODE	(PR[MARY)	1927-1972
	(DVER-ALL)	1858-1972

AREA 0007 SARAWAY 3.0N 111.8E

PERCENT	FREQUENCY	OF	HEATHER	GCCURP ENCE	81	WIND	DIRECTION

				•	ENTER		/E/161 L	I MPAINEN	GCGONT ENCE	. 01 MI	110 014	E0110:0			
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
MND OIS	RAIN	RAIN SHWR	7876	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR	FOG 40 PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	2,5	1.9	2.5	٠.	.0	.0	.0	6.9	•0	6.3	.0	.0	2.5	•0	84.4
NE	.0	3.2	3.2	.0	.0	.0	.0	6.3	3.2	3.2	.0	.0	•0	•0	87.3
Ë	4.6	.0	4.6	.ŏ	.c		.0	9.2	.0	.0	.0	.0	4.6	•0	86.2
ŠE	3.1	.0	.0	.0	.0	.0	.0	3.1	. 5	•	.0	.0	.0	.0	96.9
•	.0	2.7	1.8	.5	. ŏ		.0	4.4	.0	٠,	.0	.0	2.7	.0	89.4
Šw	6.3	2.2	2.8		.0		•6	10.5	3.2	3.4	.0	.0	2.0		81.1
W.	9.3	2.2	3.1		.0			13.3	• 0	3.4	.0	.0	. 9	•0	82.4
ÄE	2.8	4.2	3.7	.5	.0			8.9	•ŏ	9	ŏ	iŏ		•0	89.7
VAR	0		3.6	.ŏ	:6		.ŏ		ŏ			ě	.0	.0	0.
	1.4	.0		.0	•0			1.4		8.1	4.1	.0	14.9	ěŏ	71.6
CALM	1.7	.0	.0	•0	٠٠	-0	•0	1.7	••	***	444	••	,	••	
TOT PCT	4.1 517	1.9	2.3	•0	•0	.0	•0	7.7	1.0	3.7	.6	•0	3.5	•2	83.6

TAPLE 2

DEBRENT	ESECHENCY	0.5	MEATHER	DCCURRENCE	AV	MOUSE

			•	RECIPI	TATIO	N TYPE					UTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	ORZL	FRZG PCPN	*BMc	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPY PAST HOUR	THDR LTNG	FOG WO FCPN	FOG NO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	4.4 1.5 2.7 6.8	2.5 2.2 .0 2.5	1.9 1.5 2.7 2.5	.0	.0		•0	8.8 5.2 4.0 11.0	2.5 .0 .0	1.3	1.3 .0 1.3 2.5	1.3 .0 .0	3.1 3.7 3.4 2.5	.0 .7 .0	82.5 90.3 87.2 73.7
TOT PCT	3.7	1.6	2.1	.0	.0	.0	.0	7.1	.9	3,6	1-2	••	3.2	• 2	83.8

TABLE 3

## PERCENTING FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ID 598	ED (KN	DTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.8	4.6	:7	.0	:0	.0		7:1	5,9	3.1 7.3	6.e 3.4	4.0	A.3	8.0	16.3	8.6 7.1	11.2
E	1.3	3.1	.1	.0	.0	•0		4.6	5.2	8.0	5.7	7.0	.7	1.4	1.3	3.9	5.2
ŞF	2.2	4.9 7.1	1.9	••	• :	•0		7.7 10.7	5.9 6.7	12.8	11.4	7.2 16.0	6.9	2.4 5.9	7.5 5.0	3.2 10.5	15.7
Š'n	3.0	16.6	5.8	.6	.0	•6		25.9	8.3	27.4	30.7	30.3	26.0	21.7	18.8	22.8	28.0
NH M	3.0	9.8	2.5	.2		•0		15.5	7.0	9.3 4.7	11.4	10.0	28.1 15.3	27.1	20.0	8.6 11.8	13.8
VAR	.0	.0	.0	•0		.0		.0	.0	.0	.0	.0	.0		•0	.0	.0
TOT OBS	13.3	424	98	6	0	٥	758	13.3	6.0	14.3 154	4,5	10.3	9,3	19.6	5.0 40	23.5	4.5
TOT SCT	30.3	44.0			•0	۸۰		100.0			100-0	100-0	100.0		100.0		100.C

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	HOU! 06 09	12 15	18 21
N	5.0	1.9	•1	:0	:0		7.1	5.9	3.9	5.5	9.8	9.6
NE	3.8	2.4	.0	•0			6.3	6.0	6.4	5.0	5.7	8.1
P	3.4	1.2	•0	.0	.0		4.6	5.2	7.4	4.8	1.4	4.4
ŠE	5.3	2.4	.0	•0	:0		7.7	5.9	12.5	6.4	3.6	8.1
\$	6.6	3.9	,2	.0	:0		10.7	6.7	14,5	12.9	5.7	9.0
SW	11.3	13.1	1.5	•0	.0		25.9	8.3	20,2	28.6	21.0	24.9
¥	9.1	6.0	.3	•1	.0		15.5	7.0	9.7	16.8	24.7	10.7
NW	5.7	3.0	.3		.0		9.0	6.3	5.2	10.1	11.6	9.2
VAR	.6	•0	.0	.0	.0		.0	.0	.0	, ò	.0	.0
CALH	13.3			* -			13.3	.0	12.1	9.6	16.4	16.0
TOT GBS	482	257	18	1	0	758		6.0	198	208	183	169
TOT PET	43.4	33.9	2.4	• i	٠.		100.0	-	100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD:	(PRIMARY)	1927-1972
	(UVER-ALL)	1858-1972

TARLE 4

AREA 0007 SARAWAK 3.6N lil.8E

PERCENTAGE	PREQUENCY	GF.	WIND	SPEED	đΥ	HOUR	(GHT)	
		_						

HQUR	CALH	1 -3	4-10		SPEED (		48+	HEAN	PCT FREQ	TOTAL OBS
00603	12.1	15.2	55.1	16.7	.0	.0	.0	6.1	100.0	198
90409	9.6	18.3	58.7	13.0	. 5	•0	.0		100.0	208
12615	16.4	14.8	56.3	11.5	1.1	.0	.0		100.0	183
18621	16.0	18.9	53.3	10.1	1.8	•0	.0		100.0	169
TOT	101	129	424	98	- 6	ō	Ö	6.0		758
PCT	13.3	17.0	55.9	12.9	.8	.0	.0		100.0	

TARLE 5

TABLE 6

P	CT FRE			CLOUD A		EIGHTHS)					REQUEN							
WHO DIR	0-2	3-4	5-7	8 & 085CD	TOTAL DBS	CLOUD	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6300 79 <b>9</b> 9	8000+	NH C3/8 ANY HGT	
N	1.1	.9	3.2	1.2		5.3	•0	•0	.0	.0	1.8	. 6	. 5	•0	•0	.0	3.3	
NE	1.6	.6	4.0	1.0		5.0	•0	•0	.0	. 4	1.6	. 3	.0	•0	•0	.0	4.9	
E	1.3	. 6	2.0	.9		5.0	•0	•0	.0	.9	.3	• 3	.3	•0	•0	.0	3.0	
SE	.6	.7	2.9	1.2		5,5	•0	••	.0	•1	. 5	.1	.0	•0	.0	.0	4.8	
S	1.3	3.6	5.2	2.5		5.1	•0	• 0	.0	.9	1.9	.5	.0	•0	.0	.0	9.2	
SW	3.4	3.1	10.4	8.1		5.7	• 3	• 0	. 3	2.6	2.7	.6	.6	•0	•0	.0	17.9	
w	.6	3.0	4.4	4.1		5.6	•0	•0	. 3	1.2	2.7	.3	. 2	•0	•0	.0	7.3	
NW	1.1	2.1	2.4	1.8		5.2	• 0	•0		.3	1.1	. 5	. 2	•0	• 0	.0	5.0	
VAR	.0	.0	.0	•0		•0	•0	•0	.0	.0		•0	ō	•0	•0	.0	•0	
CALM	2.5	4.4	9.1	3.1		5.1	.3	•0	.0	1.3	1.3	.9	. 3	•0	•0	. 6	14+4	
TOT DBS	43	61	139	76	319	5,3	2		¥3	24	*44	14	• •	ŏ	ŏ	• ;	223	319
TOT PCT	13.5	19.1	43.6	23.8	100.0		٠.	•0	. 9	7.5	13.8	4.4	2.2	•0	•0	ة.	69.9	100.0

TABLE 7

# CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	)			
CEILING	■ CR	- CR	m OR	• DR	• OR	• OR	<ul> <li>OR</li> </ul>	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= gg >6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
■ DR >5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<ul> <li>DR &gt;3500</li> </ul>	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
■ DR >2000	6.2	7.3	7.6	7.6	7.6	7.6	7.6	7.6
■ OR >1000	16.1	19.7	20.3	20.3	20.3	20.3	20.3	20.3
■ DR >600	20.6	25.9	27.0	27.0	27.0	27.0	27.0	27.0
■ DR >300	20.8	26.2	27.9	27.9	27.9	27.9	27.9	27.9
■ DR >150	20.8	20.2	27.9	27.9	27.9	27.9	27.9	27.9
. DR > 0	21.1	26.8	28.5	28.5	28.5	28.5	28.7	28.7
TOTAL	75	95	101	101	101	101	102	102

TOTAL NUMBER OF DBS: 355

14

PCT FREQ NH <5/81 71.3

**{** 

TABLE 7A

# PERCENTAGE PRES OF CON CLOUDS (FIGHTHS)

0 1 2 .3 4 5 6 7 8 GBSCD GBS 10.0 11.8 19.2 16.4 12.3 7.2 7.7 6.7 7.9 .8 390

								SEP	PEMBER						
PERIODI (PRI (OVE	PARÝ) 1º R-All) 1º							TAI	916 9				ARE	4 0007	SARAWAK 3.6N 111.8E
			P	ERCENT				CTION '						E OF	
	VSBY (NH)		N	NE	E	SE	\$	Sw		NW	VAR	CALP	PCT	TOTAL	
	<1/5	PCP ND PCP TOT %	.0	.0	.0	.0	•0	•0		•0	•0	.s .o	.2	043	
	1/2<1	PCP ND PCP TOT \$	.0	.0	.0	.0	•0	•1 •0 •1	.0	•2 •0 •2	•0	•0	.0		
	1<2	PCP NO PCP TOT %	.c .o	.0	.0 .2 .2	•0	•0	•0	.0 .2 .2	•0	.0	•0	.0		
	2<5	PCP ND PCP TOT %	.0	.0	.2 .0 .2	.0	.0	•2	.5	.2 .2 .4	.0	•5 •5	.8 1.9 2.7		
	5<10	PCP NO PCP TOT %	1.7 2.1	.0 1.1 1.1	.2 .4 .6	1.8 1.8	.3 2.4 2.7	1.6 5.0 6.6	1.1 4.3 5.4	.3 2.3 2.6	•0	3.3 3.5	4.1 22.2 26.3		
	10+	PCP ND PCP TDT %	5.3 5.5	4.2	3.2 3.2	• · 2 • • • •	7.6 8.0	16.8 17.5	8.6	6.9 7.1	.0	10.4 10.4	2.5 67.5 70.0		

TOT DBS 707 PCT 7.7 6.1 4.2 6.2 10.9 24.5 15.7 10.3 .0 14.3 100.0

TABLE 9

			1					ESTION S OF V			ED		
VSBY (NH)	SPD KTS	N	NE	E	SE	5	\$ H	4	NW	VAR	CALH	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	٠.	.0	.0	,0	.0	.2	. 2	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	٥.		.0	
	11-51	•0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	TOT S	.0	.0	•0	.0	•0	•0	٠0	••	•0	.2	.2	
	0-3	.0	.0	•0	.0	.0	.0	.0	.2	.0	.0	.2	
1/2<1	<b>-10</b>	.0	. 2	•0	•0	.0	.2	.2	.0	٠.		.5	
	11-51	• 3	•0	•0	•0	•0	.0	.0	٠٥.	.0		.0	
	22+	.0	.0	•0	•0	.0	•0	.0	.0	.0		.0	
	TOT %	•0	•2	•0	•0	•0	.2	.2	. 2	.0	.0	.7	
	0-3	.0	.0	•0	.0	.0	.0	.2	.0	.0	.0	.2	
1<2	4-10	.0	.0	.2	.0	.0	:0	۰,0	.0	.0		. 2	
	11-21	.0	۰.	•0	.0	.0	٥.	۰,0	.0	.0		.0	
	22+	•0	.0	• 0	•0	٠.	.0	.0	.0	.0		.0	
	<b>TOT </b>	.0	.0	•5	•0	•0	۰.	.2	.0	.0	.0	.3	
	0-3	.1	.2	.0	•0	.0	ما ہ	.2	.2	٥٥	.2		
2<5	4-10	.2	. 2	• 2	•2	.3	.1	. 5	.2	.0		1.8	
	11-51	.0	•0	•0	.0	.0	. 2	.2	. 2	.0		.5	
	22+	٥.	•0	• 0	•0	.0	:0	.0	٠.٥	.0		.0	
	TOY \$	.3	.4	•2	•2	. 3	.2	.1	.5	.0	.2	3,1	
	0-3		.2	.2	.5	.4	1.3	1.1	.5	.0	3.6	8.6	
5<10	4-10	1.8	1.4	. 4	2.0	2.3	3.9	4.0	2.1	.0		17.9	
	11-21	.5	-1	,2	.4	. •	1.3	• •	. 2	•0		4.1	
	52+	.0	.0	•0	.0	0	.3	0	.0	.0		3	
	70T #	2.9	1.7	.7	2.9	3,3	6.8	•.0	2.8	•0	3.6	31.0	
	0-3	1.4	1.4	.9	1.4	1.8	1.3	1.1	1.5	.0	1.6	20.5	
10+	4-10	3.3	2.3	2.5	2.9	4.7	ic.1	0.0	4.3	.0		34,3	
	11-21	.2	. 5	.0	. 2	٠,	4.1	1.5	.4	.0		7.8	
	55+	.0	.0	.0	.0	.0	2	0	• 0	.0	_	2	
	TOT \$	4.8	4.2	3.5	4.5	7,4	15.7	8,7	6.3	•0	7.6	64,7	
	OT DES				<b>-</b> .								604
1	TOT FCT	8.0	6.5	4.6	7.6	11.0	23.0	15.4	9.8	• 0	13.7	100.0	

e	•	•	æ	H	c	۰

PERIODI	(PRIMARY)			ARE
	(DVER-ALL)	1858-1972	TABLE 10	

REA 0007 SARAWAK 3.6N 111.6E PERCENT FREQUENCY OF CFICING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

TABLE 12

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS	
60300	.9	•0	2.8	8.3	15.6	.9	.9	•0	•0	.9	30.3	69.7	109	
06607	.0	.0	.0	5.2	9.3	5.2	2.1	.0	.0	1.0	22.7	77.3	<b>)</b> 7	
12615	1.1	.0	.0	7.5	12.9	3.2	3.2	.0	.0	•0	28.0	72.0	93	
18221	1.3	.0	.0	3.0	9.2	7.0	2.6	.0	.0	3.0	28.0	71.1	76	

		PERCENT	FREQUEN	CA A2B	r (NA)	BY HOUR		CUMULAT					V58Y (NM) )JBY HOUR	
HDUR (GMT)	€1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
£0300	.5	1.1	1.6	2.2	33.3	61.2	183	00203	1.0	3.8	14.4	19.2	66.3	104
06609	•0	.0	.6	1.9	20.0	77.4	155	90360	•0	•0	5.4	17.4	77.2	92
12615	•0	.0	.0	2.9	35.9	61.2	170	12615	1.1	1.1	13.6	19.3	67.0	86
15381	•0	1.4	.0	5.7	27.1	65.7	140	18221	1.4	1.4	11.3	23.9	64.8	71
TOT PCT	.2	.6	.6	20 3.1	191 29.5	42 <b>8</b> 66.0	648 100.0	TOT PCT	.8	1.7	40 11.3	70 19.7	245 69.0	355 100.0

TARLE 13 TABLE 14 PERCENT FREQUENCY OF RECATIVE HUMIDITY BY TEMP
0-29 30-39 49-49 50-59 40-69 70-79 80-89 90-100 DBS FREQ PERCENT FREQUENCY OF WIND DIRECTION BY TEMP 

TABLE 15 TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUNIDITY BY HOUR TOTAL OBS 195 205 175 175 750 86 82 77 75 90 84 79 76 86 82 79 77 84 81 78 75 87 82 78 75 •••• 86 92 86 85 91

PAGE 526

C C

€,

SEPTEMBER

PERIOD: (PRIMARY) 1927-1972 (OVER-ALL) 1858-1972

1

TABLE 17

AREA 0007 SARAWAK 3.6N 111.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

							•	
AIR-SEA	73	77	81	85	89	TOT	W	NO.
THP DIF	76	10	84	88	92		FOG	₽0G
11/13	.0	•0	.0	.0	•2	1	•0	•2
9/10	.0	•0	.0	.0	. 2	ĭ	Ö	· Ž
7/8	.0	.0	.0	.0	.4	ž	.0	. 4
	ŏ	.0	.2	.2	. 2	ž	.4	. 2
Š	.0	.0	.2	.0	. 6	Ă	.0	, ,
Ä	.0	•2	.6	1.2	.4	12		2.0
- 1	·ŏ		.2	1.4	.2	•	•0	1.8
3 2	.ö		1.6	3.0		23		4.6
•		•2	4.2	5.0	.ŏ	47	.2	9.1
1		.2	11.3	4.0		76	.2	15.2
Ÿ								
-1	•0	. 6	11.1	1.2	•0	65	•0	12.9
-3	. 2	1.4	14.3	.2	٠.٥	81	•2	15.8
-3	.0	2.8	6.7	•0	•0	48	•0	7.5
-4	.2	6.3	5.0	. 2	•0	59	•0	11.7
-5	.0	4.8	1.8	•0	٠0	33	•0	5.5
-6	.4	3.6	.2	•0	•0	21	•0	4.2
-7/-8	1.2	1.0	.0	•0	•0	15	•0	3.0
-9/-10	.4	•2	.0	.0	•0	3	•0	.6
TOTAL	12		289		11		7	498
		111		82		505		
PCT	2.4		57.2		2.2	100.0	1.4	98.6

PERIOD: (DVER-ALL) 1963-_272

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 •••••••••••••••••••• HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-40 41-48 49-60 71-86 7-7 71-86 1-3 4-10 .0 2.0 1.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-3 48. HGT
<1
1-2
2-4
5-6
7
8-9
10-11
12
13-16
17-12
23-25
24-22
33-40
41-68
49-60
61-70
71-86
ETT-TOT PCT 34-47 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1.5 

									_EPTE4BE9							
PERIODI	(DVE	t-ALL)	1963-1	972				TABLE	18 (CONT)				THEA		Serawak On 111	. 8 E
				PC	T FREG D	F WIND	SPEED	(KTS)	AND DIREC	TION	VERSUS :	SEA HEIG	HTS (FT	,		
				s								Sie				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	CT	
<1	.0	.0	.0	•0	.0	.0	.0		• 5	2,6	.0		•0	•0	, 8	
1-2	. 8	5.6	•0	•0	.0	•0	6.4		1.0	5.2	2.8	•0	•0	•0	٠.٥	
3-4		1.2	.•0	•0	• 0	•0	2.0		• 5	4.2	1.8	•0	•0	.0	4.6	
5-6 7	.0	.0	1.8	•0	•0	•0	1.8		•0	•0	4.6	•0	•0		2.4	
8-9	.0		•0	.0	.0	.0	•0		•0		0	.0	•0	.0		
10-11	·ŏ		•0	.0	.0		•0		.0		.0		•0	ŏ	.0	
12	.0	.6	•0	.0	.0	.0	.6		ěŏ	.2	.0	.0	•0	•0	. 2	
13-16	.0	-0	•0	•0	.0	•0	.0		.0	.0	.0	.0	•0	•0	.0	
17-19	.0	.0	•0	•0	•0	•0	•0		•0	.0	.0	•0	•0	•0	.0	
20-22	.0	.0	•0	•0	.0	•0	•0		•0	.0	•0	•0	•0	•0	•0	
23-25	•0	•0	•0	•0	.0	•0	•0		•0	•0	•0	•0	+0	•0	•0	
26-32	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
33-40	•0	.0	•0	•0	.0	.0	•0		•0	.0	.0	.0	•9	•0	.0	
41-48 49-60	.0	•0	•0	• 0	•0	•0	•0		•0	•0	.0	•0	•0	:0	•0	
61-70	.0	.0	•0	•0	•0	•0	•0		•0	.ö	•0	•0	•0	:0	.0	
71=86	.0	.0	•0	.0	.,	.0	•0		•0	š	•0	•0	.0	.0	.0	
87+		ě	.0	•0	.0				ŏ	.0	. n	••	•0	•0	.0	
TOT PCT	1.6	7.4	1.8	•0	.0	•0	10.8		1.4	12.2	11.6	•0	•0	•0	25.2	
												Mari				TOTAL
HST	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	44 22-33	34-47	48+	PCT	PCT
<1	1.2	.6	•0	•0	.0	•0	1.0		1.0	.8	.0	•0	•0	.0	1.8	
1-2		5.0	1.2		.0	.0	6.8			1.2				.0	2.0	
3-4		1.4		•0	.0	.0	2.6		.0		.0	.0	•0			
5-6	.0		. 6	·ŏ	ě	•0	1.6		Ö	.0	.0	•0	•0	.0	.0	
7	.0	.0	. 8	•0	.0	•0	. 8		•0	.0	.0	.0	•0	.0	.0	
8-9	•0	•0	•0	•0	.0	•0	•0		•0	•0			•0	•0	•0	
10-11	•0	•0	•0	•0	.0	•0	•0		•0	.0		•0	•0	•0	.0	
12	.0	.0	•0	•0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
13-16	٠.	٠.	•0	•0	•0	•0	•0		•0	.0			•0	.0	•0	
17-19 20-22	.0	.0	•0	•0	••	.0	•0		•0	.0		.0	•0	.0		
23-25	.5	.ŏ	•0	.0	.0		.0		.0		.0		•0	.0	.0	
26-32	.0		•0	•0	.0	.0	.0		•0	.0			•0	.0	.0	
33-40	.0	.0	•0	.0	.0		.0		.0	.0		•0	•0	.0	.0	
41-48	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0		•0	.0	.0	
49-00	.0	•0	•0	•0	.0	.0	.0		.0	.0		•0	•0	.0	.0	
61-70	.0	.0	•0	•0	.0	•0	.0		•0	.0		.0	•0	•0	•0	
71-86	•0	.0	•0	•0	•0	•0	•0		•0	•0			•0	.0	.0	
87+	.0	0	.0	•0	•0	•0	0		.•0	0		•0	•0	٠٥	0	
TOT PCT	2,4	7.6	3,4	•0	•0	•0	13.6	'	1.0	2.8	•6	•0	•0	•0	4.6	01.6

	WIND	SPEED	(KT\$)	VS SEA	HEIGHT	(FT)		
HBT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<:	25.4	5.6		.0	.0	.0	31.7	
1-2	5.6	29.4	5.6	ō	•0	.0	40.5	
3-4	1.6	11.9	2.4	io	.0	.0	15.9	
5-6	.0		7.1	.0	.0	.0	7.9	
7	.0	.0	3.2	ŏ	.0	.0	3.2	
8-9		.0	•0	.0	.0	.0		
10-11	.ŏ	ě	.0	.0	.0	.ŏ	.0	
12	•0	. 6	•0		_	.0	i i	
13-16		.0		ŏ	.0	.0	.0	
17-19	.0	ŏ	.0	ŏ	.0			
20-22				.0			.0	
23-25	.ŏ			ě			, õ	
26-32	•0	•0			.0	.0		
33-40	.0	•0					••	
41-48	•0	•0	•0					
49-60	.ŏ	.0					:0	
61-70			••				.0	
	•0	•0	•0					
71-86	•0	•0	•0				.0	
87+	•0	•0	•0	•0	•0	.0	•0	
TOT PCT	72.5	48.4	19.0	.0	•0	•0	100.0	126

PERIO	DI (D)	ER-ALL	1 194	9-197	:				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS 1	HAVE P	ERIDD	(SECON	DS1						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	1-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	\$7+	TOTAL	MEAN HGT
<6	8.5	30.4	11.3	4.5	1.2	.4	.0	.8	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	141	2
6-7 8-9	.0	4,0	6.5	3.6	1.2	1.2	.0	.0	.0	.0	<b>,</b> 0	.0	.0	.0	.0	:0	.0	.0	.0	41	4
8-9	•0	.4	.4	.0	.0	.4	•0	.4	.0	.0	<b>;</b> 0	.0	.0	.0	•0	.0	.0	.0	.0	•	6
10-11	•0	.0	.4		.0	.0	•0	.0	•0	.0	:0	•0	.0	.0	•0	.0	.0	.0	.0	2	4
12-13	•0	.0	.0	.0	.0	.0	•0	.0	.0	.0		.0	.0	•0	•0	.0	.0	•0	•0	0	
>13	•0	.0	.0	.0	.0	.0	•0	.0	•0	.0	••	•0	.0		•0	.0	.0	•0	.0	٥	
INDET	20.2	2.4	. 1	.0	.0	.0	.4	•0	•0	٠.		•0	.0	.0	•0	.0	.0	•0	.0	59	1
TOTAL	71	92	40	21	6	Š	1	3	Ô	Ŏ		Ö	Ö		Ó	0	٥	Ó	0	247	2
PCT	28.7	37.2	19.4	8.5	2.4	2.0	.4	1.2	٠ŏ	٠ŏ		٠Ŏ	•0	٠ŏ	٠ò	•0	•0	•0	•0	100.0	_

PAGE 528

•

AREA 0007 SARAWAK 3.7% 111.8E

PERCENT FRE	DUFNCY OF N	SEATHER D	CCURRENCE E	NY MIND	DIRECTION

			•	RECIPI	TATIO	N TYPE					STHE	WEATHER	PHEND	MENA	
HNO CIR	RAIN	RAIN SHWR	OR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	DE TIME	PCPN PAST HOUR	THOR	FOG NO PCPN	FOG WO PCPh PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N	14.9	.0	.0	.0	.0	.0	.¢	14.9	.0	4.0	.0	.0	2.3	.0	78.7
NE	7.3	4.9	.0	.0	٠.	.0	٠,	12.2	5.5	3.0	.0	.0	•0	•0	80.5
E	8.2	1.2	4.7	.0	.0	.0	.0	14.0	3.5	1.8	.0	.0	•0	•0	80.7
SE	3.9	2.6	6.1	.0		.0	.0	12.7	3.5	1.8	• 0	.o	•0	•0	63.0
S	5.4	3.3	. 8	•0	.0	.0	.0	9.6	7.5	1.7	• 0	.0	2.9	•0	78.3
S¥	5.9	6.9	1.0	.0	.0	.0	• 0	14.6	2.5	3.0	. 9	.0	1.1	• 0	77.8
k	2.7	3.2	.0	.0	•0	.0	•0	5.9	1.6	3.9	.0	•0	1.8	•0	86.8
Nb	5.9	1.5	.0	.0	.0	.0	.0	7.4	1.5	6.6	.0	.0	•0	•0	84.5
VAR	.0	.0	. 0	•0	•0	•0	• 6	.0	•0		.0	.0	•0	.0	.0
CALM	1.7	.0	.0	•0	•0	•0	•0	1.7	•0	5.2	.0	•0	3,4	•0	89.7
TOT PCT TOT CBS:	5.7 630	3,2	1.3	•0	•0	•0	•0	16.2	2.9	3.5	•2	•0	1.3	•0	62.4

TARLE 2

#### PERCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HJUP (GMT)	RAIN	RAIN Shwr	DR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 00608 12615 18621	9.6 3.2 3.5 6.8	4.2 1.9 .6 6.1	1.8 .0 .6 2.7	.0	•0	••	.0 .0	15.6 5.1 4.7 15.6	6.6 3.6 1.2	.6 5.3 9.5	.0	•0	.6 1.3 2.3	•0 •0 •0	76.6 89.8 86.5 74.8
TOT PCT	5.8	3.1	1.2	.0	•0	.0	-0	10.1	3.0	3.7	•2	•0	1.2	•0	82.1

TABLE 3

#### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY MOUR

		wil	ID SPE	ED (KNO	TS)								HOUR	(GHT)			
WHO CIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL Das	PCT FRFQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.2	6.5	1.2	•0	•0	•0		7.8 11.7	5.8	4.0 13.2	4.8	3.4 12.6	6.7	11.3	9.6	12.1	10.7
E Şe	2.0	4.0	1.1	••	••	•0		7.7	5.C 6.7	15.2			4.7	3.1	4.3	5,5 3,1	10.7
Šu	1.5 2.5 2.7	10.0 10.5	2.1 6.2 4.4	.1	.1 .2 .1	•0		9.2 19.0 18.0	10.1	16.1 14.8 12.7	14.3 29.8 4.8	10.9 22.7 15.4	6.7 25.3 22.0	3.0 16.9 26.7	7.4 17.0 28.7	5,7 13,9 17,2	12.0 23.7 13.7
Nu VAR	1.9	7.6	.0	.3	.0	.0		10.8	6.6	7.1	7.1	8.1	16.7	12.4	17.0	13.1	8.7
TOT CBS	204	468	136	11	3	0	822	9.5	7.1	8.7 161	4.8	12.0	75	11.2	47	120	6,7
TOT PCT	24.8	56.9	16.5	1.3	.4	•0		100.0		100.0	100.0	100.0	100.0	100.7	100.0	100.0	100+0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL Das	PCT FREQ	MEAN SPD	00	100K 40 90	R (GHT) 12 15	1 18 21
N NE P SE S S SW W NW VAR CALM TOT DOS TOT PET	5.0 7.1 3.9 4.0 3.5 5.9 8.0 6.5 9.5 440 53.5	2.8 4.4 2.2 3.6 5.2 10.5 8.2 3.7 .0	.0 .1 .5 2.2 1.6 .6	.0 .0 .0 .1 .2 .2 .0	.00	922	7.8 11.7 6.1 7.7 9.2 19.0 18.0 10.8 .0	5.8 6.5 5.8 6.7 8.4 10.1 8.6 6.8 .0	4.2 11.7 8.3 16.1 15.8 17.9 11.1 7.1 7.9 203	4.6 11.1 7.1 5.6 9.4 23.7 17.8 11.2 9.6 208 100.0	10.9 10.8 4.2 3.4 4.0 16.9 27.2 13.5 9.1 208 100.0	11.6 13.4 4.9 5.9 8.0 17.5 15.9 11.3 203 100.0

PERIODI	(PRIMARY)	1926-1972
	INVER-ALL L	1668-1072

AREA 0007 SARAWAK 3.7N 111.8E

					• • •		
PERCENTAGE	PREGUENCY	UP	MIND	SPEED		MUUK	(GMI)

				WIND	SPEED (	KNOTS)			PCT	TOTAL
HQUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PREG	OBS
60300	7.0	13.6	57.1	20.2	.5	. 5	.0	7.6	100.0	203
90360		21.4	52.4	14.4	1.4	. 5	.0		100.0	200
12615	9.1	13.0	62.0	14.4	1.4	.0	•0		100.0	208
18621	11.3	12.4	56.2	17.2	2.0	.5	• 0	7.1	100.0	203
TOT	78	126	448	136	11	`3	5	7.1	••••	022
PCT	9.5		56.9	16.5	1.3	. 4	.0	_	100.0	

TABLE 5

TABLE .

INDEC 7																		
	PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTMS By Wind Direction Mean				_	PERCENTAGE FREQUENCY OF CEILING MEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY MIND DIRECTION												
WND DIF	0-2	3-4	5-7	8 & 085C0	TOTAL	HEAN CLOUD COVER	000 149	150 299	300 599	600 9 <b>9</b> 9	1000	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	8000+	NH <5/8 ANY HGT	
N	1.3	2.1	1.6	2.0		4.8	•0	.0	.0	1.4	.6	.0	.0	•0	.3	. 5	4.8	
NE	1.0	3.4	7.6	3.1		5.7	•0	•0	. 1	. •	1.7	. 6	. 9	•0	•0	.0	10.9	
E	.3	2.4	2.7	2.1		5.0	•0	•0	.4	1.1	.0	. 3	. 3	•0	•0	.0	5.3	
ŠE	. 6	. 2	2.9	2.4		6.2	•0	. 9	. 6	. 3	.4	.9	.6	.4	. 3	.0	2.3	
S	.2	1.3	5.9	3-1		6.5	• 2	•0	. 2	.6	2.1	1.1	.7	. 2	.3	.0	5.1	
SW	. 4	3.1	5.5	5.4		6.2	.4	•0	. 9	2.0	3.5		. 2	•0	•0	.1	6.6	
W.	1.7	2.9	9.7	3.7		3:6	.3	:0	.8	1.5	2.7	2:1	1.0	:8	:2	.2	10.6	
VAR	.0	.0	.0	.0		•0	•0	•0	•0	.0	.0	.0	.0	•0	•0	.0	•0	
CALM	2.9	2.9	4.0			4.5	•0	•0	• 0	.6	1.4			•0	•0	.0	8.7	380
TOT PC		10.6	152 43.4	97 27•7	350 100.0		.9	•6	2.3	9.1	47 13•4	7.1	4,6	.6	1.1	.6	209 59.7	350 100.0

TABLE 7

CUMULATIVE	PCT FREQ	0F 1	I HULT	MEDUS	OCCURRENCE
OF CEILT	NG HFIGHT	INH	54/91	AND V	SBY (NH)

				NAS THE	13			
CEILING	• CR	- OR	• OR	• OR	= OR	• OR	■ UR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500		1.7	1.7	1.7	1.7	1.7	1.7	1.7
# OR >5000	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
# DR >3500	5.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0
■ DR >2000	11.8	14.0	14.3	14.3	14.3	14.3	14.3	14.3
# PR >1000	21.6	25.8	27.5	27.5	27.5	27.5	27.5	27.5
# DR >606	26.1	33.7	36.0	36.0	36.0	36.2	36.2	36.2
• DR >300	27.8	35.7	37.9	38.2	38.2	38.5	30.5	38.5
• DR >150	28.1	36.2	30.5	30.4	38.8	37.0	39.0	39.0
. DR > 0	28.1	36.8	37.0	39.4	37.6	39.9	39.9	39,9
TOTAL	100	131	139	141	141	142	142	142

FOTAL NUMBER OF OBS: 356

PCT FREQ NH <5/81 60.

TABLE 7A

PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSC0 TOTAL OBS 4.4 8.6 17.4 15.9 13.0 9.6 10.3 8.1 12.3 .5 408

OCTOBER

PERIOD: (PRIMARY) 10 (OVER-ALL) 10							TA					ARE	A 0007	SARAWAK 3.7N 111.4E
		•	ERCENT	FREQ 1	OF WIN	D DIRE	CTION TH YAR	VS DCC	URRENÇI ALUES I	E OR N DF VIS	DN-UC	CURRENC TY	E OF	
VSBY (MN)		h	NE	E	SE	\$	SW	¥	ИЖ	VAR	CALH	PCT	TOTAL	
• • • • • • • • • • • • • • • • • • • •	PCP	.0	.0	.0	. 2	.0	• 0	.0	.0	.0	•0			
<1/2	ND PCP	.0	.0	.0	.0	.0	.0	.1	.1	.0	•0	.2		
****	TOT %	.0	.0	.0	.2	•0	.0	.1	.1	.0	•0	,3		
	PCP	.0	.0	.0	•0	•0	•0	.0	.0	.0	•0	.0		
1/2<1	NO PCP	.0	•0	•0	.0	•0	.,	•0	.0	.0	•0			
	TOT S	.c	•0	•0	•0	•0	• 2	•0	٠,	•0	•0	.2		
	PCP	.0	. 2	•0	. 3	٠.	. 9	.0	.0	.0	•0			
1<2	NO PCP	.0	.0	•0	•0	•0	•0	.0	•0	•0	•0			
	TOT &	.0	• 2	•0	.3	•0	.3	.0	•0	•0	•0	.8		
	PCP	.3	.0	.0	•	.4	.4	.0	.0	.0	.0			
2<5	NO PCP	.0	.1	•2	•0	•0	. 2	.3	.0	.0	•0			
	TOT \$	. 9	•1	•2	•	• 4		.3	•0	•0	•0	1.9		
	PCP	.3	.6	.8	.2	•2	.7	.6	.3	.0				
5<10	NO PCP	2.1	2.2	.9	3.1	2 • 1	4.8	4.8	3.2	•0	1.5			
	TOT S	2.5	2,6	1.7	3,3	2,3	5.9	5,3	3,5	.0	1,6	28,5		
	PCP	.4	,,	•2	.4	.4	. 8	.5	. 5	.0	.2			
10+	NO PCP	3.7	9.1	4.7	4.7	6.5	9.7	11.3	6.7	.0	7.5			
	TOT S	4.1	10.0	4.9	5.3	6.9	10.5	11.7	7.2	•0	7.6	68.3		
	TOT OBS												628	
	TOT PCT	4.9	13.1	6.8	9.1	9.6	17.1	17,5	10.8	.0	9.2	100.0		

TABLE .

0-41/2 44 11/2<1 42 11/2<1 44 1 22 1 7	XTS 0-3 4-10 11-21 22+ TOT \$ 0-3 4-10 11-21 22+ TOT \$ 0-3 11-21		NE 000000 000000	.0	SE	\$	.0.0.0	.0	.0		.0 .0	.0.2.2	085
1/2<1 0 1/2<1 4 1 1/2<1 4 1 1/2<1 4 1 1/2	4-10 11-21 22+ 707 \$ 0-3 4-10 11-21 22+ 707 \$		.00		.00.00		.0	.0	.0		.0	.0	
1/2<1 0 1/2<1 4 1 2 7	11-21 22+ 707 \$ 0-3 4-10 11-21 22+ 707 \$		.0	.0	.0.0.0	.000	.0	.0	.1	.00	-	.0	
1/2<1 4 1 2 1 4 1 2 1 4 1 2 1 4	22+ 707 \$ 0-3 4-10 11-21 22+ 707 \$ 0-3 4-10		.00	•••	.0	.0	.0	.0	.0	.0	-	.0	
1/2<1 4 1 2 7 1 1<2 4 1 1<2 4	707 \$ 0-3 4-10 11-21 22+ 707 \$ 0-3 4-10	.0	.0	•0	.0 .0 .0	.0	.0	.0	.0	.0 .0	-	.0	
1/2<1 4 1 2 7 1<2 4 1 1 2	0-3 4-10 11-21 22+ TOT \$	.0	.0	•0	•0	•0	.0	•0	.0	.0	-	:0	
1/2<1 4- 1 2 7 1<2 4- 1 1 2	4-10 11-21 22+ TOT \$ 0-3 4-10	.0	.0	•0	•0 •0	.0	.0	.0	.0	.0	•0	.0	
1 2 7 0 1 < 2 4 1 2 2	11-21 22+ TOT \$ 0-3 4-10	.0	.0	•0	•0	.0	.2						
2: T: 0- 1<2 4 1 2:	22+ 707 % 0-3 4-10	••	.0	.0	•0								
1<2 4 1 1 2	TOT % 0-3 4-10	.0	.0			•0							
1<2 4	0-3 4-10	•0		•0	•0		.0	٠,٥	•0	•0	_	.0	
1<2 4	4-10					•0	.2	.0	.0	•0	•0	.2	
1 2		٠.۵	.0	•9	•2	.0	.0	•0	.0	•0	.0	.2	
2	11-21		•0	•0	•2	.0	.0	.0	.0	•0		.2	
		.0	.2	•0	•0	.0	.3	•0	•0	•0		.5	
T	22+	.0	.0	•0	•0	•0	.0	.0	•0	•0	_	•0	
	TOT \$	.0	•2	•0	•3	•0	.3	•0	•0	•0	•0		
	0-3	-0	.0	.0	•0	.0	.2	.2	.0	.0	.0	.3	
	4-10	.3	.0	.0	.2	.2	٠ż	.3	.0	•0		1.2	
	11-21	•0	.1	• 2	•	•2	• •	.0	•0	•0		.,	
	22+	.0	.0	•0	•0	•0	•0	.0	.0	•0	_	0	
1	TOT S	.3	•1	.2	٠Z	.4	. 8	.5	•0	•0	,0	2.4	
0	0-3	.3	•0	.5		.0	.3	.2	.7	.0	1.7	4.4	
	4-10	2.3	2.3	1.0	1.8	1.1	2.4	2.9	2.1	.0		15.9	
	:1-21	•1	.3	•2	. 6	.,	2.3	1.8	٠.	٠.		4,8	
2	22+	•0	.0	•0	0	. 2	5:2	2	.0	•0			
7	TOT \$	2.7	2.6	1.6	3.1	2.1	3.2	3.0	3.4	•0	1.7	27.5	
	0~3	.6	2.1	1.2	1.6	1.2		1.0	1.7	•0	8.1	19,2	
	4-10	3.5	7.2	3.5	3.2	4.4	4.1	4.1	4.7	•0		40.5	
	11-21	•0	• •	• 3	•4	1.2	2.8	2.7	.5	.0		4.9	
Ī	22+ TOT \$	4.4	10.3	5.2	5.1	•:0	10.5	11.2	7:3	.0	8.1	4:3	

PRR. JD: 1 21MAR 1 747-1974 (JVER-41.) 1858-1972

TABLE 10

AREA 0007 SARAWAK 3.7N 111.8E

# PERCENT PREQUENCY OF CRICING HEIGHTS (FEETANH 36/8) AND DECURRENCE OF BH <5/8 SY HOUR

HOUR (GHT)	000 149	190 299	300 5 <b>9</b> 9	999	1000 1999	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	6000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	1.0	1.0	5.0	13.0	15.0	9.0	7.0	2.0	3.0	•0	56.0	44.0	100
90360	1.0	.0	•0	5.0	9.9	6.9	4.0	•0	1.0	1.0	28.7	71.3	101
12615	.0	.0	3.2	4.2	12.6	5.3	3.2	.0	.0	1.1	29.5	70.5	95
19621	1.1	1.1	•0	12.2	11-1	5.6	2.2	1.1	.0	•0	34.4	65.6	90
TOT	3	2	2.1	33	47	26	16	3	1.0		144	242	386

TABLE 11

TABLE 12

		PERCENT	FREGUEN	C4 4284	(NH)	BY HOUR		CUMULAT	CEILIN	FRED IG HGT	OF RAN	IGES OF NH >4/2	VSBY (NA) SUCH YELL	AND/OR
HDUR (GYT)	<1/2	1/2<1	1<2	2<5	\$<10	10+	TOTAL GBS	HGUR (GHT)	<150 <50YD		<1000 <5	1000+ AND5+	HH <5/8 AND 5+	TOTAL OBS
00603	1.2	.6	1.2	3.5	30.2	43.4	172	E0300	1.1	8.5	23,4	35.1	41.5	94
90360	•0	.0	.5	•0	19.4	\$0.0	163	90360	1.1	1-1	5.5	25.3	69.2	91
12615	•0	.0	.0	2.8	33.7	63.5	181	12615	•0	3.4	10.2	22.7	67.0	8.8
18621	.6	.0	1.3	3.1	25.0	70.0	100	18221	1+2	2.4	18.1	.9.3	62.7	83
TOT	3	1	.7	16	185	468	●78 160 • 0	TOT PCT	3	14	51	92 25.8	213	356

TARLE 13

TABLE 14

tante 13														1200						
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT								DET	PERCENT PREQUENCY OF WIND DIRECTION BY TEMP											
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREG	N	٧E	E	SŁ	\$	SW	*	NW	VAR	CALM
90/94	.0	.0	•0	•0	4	.4	.2	.0	•	1.0	.0	.2	.0	.0	.0	•	.1	.0	.0	.6
85/89	٠.	.0	•0	• 2	1.0	5.*	3.5	,6	57	11.2	. 3	1.2	٠.	1.4	.6	1.2	2.4	2.0	.0	1.0
80/84	.0	.0	.0	•0	4	20.6	41.5	11.2	275	73.7	5,4	10.3	5.0	4.9	6.2	12.5	14.2	7.8	•0	7.3
75/79	.0	.0	•0	•0	2	.2	2.9	10.4	70	13.8	.9	1.4		1.9	2.7	3.0	1.7	1.1	.0	.2
70/74	.0	.0	•0	•0	• • 0	.0	. 4	.0	2	.4	.0	.0		.0	.0	.0	-1	.2	-0	.0
TOTAL	0				10	130	247	113	509	100.0						• • •	••	•		
PCT	• 0	•0	•0	• 2	2.0	27.1	48.5				7.1	13.1	6.6	8.1	9.5	16.8	18.0	11-1	•0	9.0

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCENTILES OF TEMP (DEG F) BY HOUR						PEPCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR								
HOUR	MAX	992	95%	50%	51	1%	MIN	MEAN	TOTAL DBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
£0300	90	89 91	86 89	81 83	77 79	75 77	75 76	81.4 83.3	203 212	£0300	•0	.0	8.3	20.3	46.2 33.1	33.6 14.0	86 79	143
12615	87 89	86 84	84	82 81	79 77	77 76	72 73	\$1.7 \$1.1	212 205	12615	•0	.0	•7	25.0	58.3 52.6	16.0	83 84	144
TOT	92	89	86	02	78	76	72	81.9	632	707	ŏ	1	11	146	250	114	13	522

PAGE 592

ŧ

1

OCTOBER

PERIOD: (PRIMARY) (OVER-ALL)	1926-1972 1858-1972				TAI	BLE 1	•			AREA	0007	SARA 3.7N		. <b>8</b> E
	PCT FREG UP A							NCE OF FO		HOLT	PRECI	PITATI	(NO	
		AIR-SEA	73	77	81	85	89	TOT	w	MO				

AIR-SEA	73 76	77 80	81 84	85 88	89 92	TOT	FDG	HQ FDG
11/13	.0	•0	.ç	.0	.2 .2	1 2	•9	٠š
7/8	.0	•0	.2	.0			٠٥.	.3
6 5	•0	•0	.0	2.	.3	2	•0	. 3
	٠.	•0	.2	. 2	• 7	•	.0	1.0
4	.0	•0	. 5	.5	.7	10	•0	1.7
3	.0	.0	. 3	.7	.3	8	•0	1.3
2	.0	•0	. 8	2.5	. 2	21	• 0	3.5
ī	.0	•0	2.3	3.2	.0	33	.0	5.5
3 2 1	.0	. 3	10.8	1.2	.0	74	.0	12.3
-i	.0	42	10.9	. 5	• 9	70	•0	11.6
J.	.0	2.3	18.4		.0	128	ž	21.1
-3	.ŏ	2.3	11.3	.0	.0	62		13.6
-4		6.1	6.3		.0	75	.0	
			3.5					12.4
-5	•0	3.5	2.0	•0	•0	33	•0	5.5
-6	• 2	5.5	. 2	• 0	.0	35	• 2	5.8
-7/-8	.7	2 . 2	.3	.0	.0	19	• 0	3.2
-9/-10	.2	• 2	٠.	.0	•0	2	• 6	.3
-11/-13	.3	.0	.0	• 0	.0	Ž	• •	. 3
TOTAL	i i		389		15	•	1	602
	•	136		55		603	-	J. •
FOT	1.3		64.5	9.1	2.5	100.0	. 2	99.8

PERIOD: (QVER-ALL) 1963-1972

TABLE 18

				<b>&gt;</b> C	T FREG G	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	)	
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	\$2-33	34-47	48+	PCT
<1	•0	1.3	•0	•0	.0	.0	1.3	2.2	1.1	.0	•0	•0	.0	3.2
1-2	. 5	1.1	•0	.0	.0	• 5	1.6	1.4	7.6	•0	.0	•0	.0	9.2
3-4	•0	• 7	•0	.0	•0	•0	• 7	•0	1.4	.7	•0	•0	.0	2.2
5-6	•0	.7	•0	•0	•0	•0	• 7	•0	•0	.0	•0	•0	.0	•0
_7_	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	.0	•0
6-9	•0	.0	.0	•0	•0	• •	•0	•3	• 5	.0	•0	•0	•0	•0
10-11	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0	•0	•0	•0
12	.0	.0	•0	•0	•0	•0	•0	•0	,0	.0	•0	•0	.0	•0
13-16	.0	.0	•0	•0	•0	•0	•0	٠,٥	:0	•0	•0	•0	•0	•0
17-19	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
50-55	.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0
23-25	.0	.0	•0	•0	•0	•0	.0	•0	• 0	.0	•0	•0	.0	•0
26-32	•0	٠,	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	•0	•0	•0	•0	• 5	•0	•0	•0	:0	•0	•0	•0	•0	•0
41-48	•0	.0	•0	•0	•6	•0	•0	2.	••	•0	•0	•0	.0	•0
49-60	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	.0	•0
61-70	٠.0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
71-86	.0	.0	•0	.0	•0	•0	•0	•0	• 5	.0	•0	•0	•0	•0
874	•0	.0	•0	•0	•0	•0	•0	.0	0	•0	۰0	•0	•0	. •0
TOT OCT	.5	3.6	•0	•0	•0	•0	4.3	3,0	10.1	.7	•0	•0	•0	14.6
				E							36			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22433	34-47	48+	PCT
<1	2.9	.5	•0	•0	•0	•0	3.4	.9	•0	.0	•0	•0	.0	.9
1-2	.0	.7	.0	.0	.0	.0	.7	•7	17.4	, 2	.0	.0	.0	2,3
3-4	.0	.7	•0	.0	.0	-0	.7	•0	•0	•0	•0	•0	.0	•0
5-6	.0	.0	•0	•0	•0	•0	•0	•9	•0	.7	•0	•0	•0	.7
7_	.0	.0	•0	•0	.0	•0	•0	•0	•0	.0	٠0	•0	•0	•0
8-3	•0	.0	•0	•0	• 5	•0	•0	• • • •	•0	•0	•0	•0	•0	•0
10-11	• 0	.0	•0	•0	٠.	•0	•0	•0	•0	•0	•0	•0	•0	•0
12	• 3	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	.0	•0
13-16	.0	.0	•0	•0	.0	•0	•5	•0	.0	•0	•0	•0	•0	•0
17-19	•0	.0	•0	•0	•0	•0	•0	•9	•0	.0	•0	•0	•0	•0
20-22	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
23-25	•0	•0	•0	•0	.0	•0	•0	• 9	•0	•0	•0	•0	•0	•0
26-32	•0	.0	•0	•0	• 0	•0	•0	•0	•0	•0	•0	•0	•0	•0
33-40	•0	•0	+0	•0	•0	•0	•0	•9	•0	•0	•0	•0	•0	~0
41-48	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0
49-80	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	• •	•0	•0
61-70	.0	.0	•0	•0	.c	•0	•0	+0	•0	•0	•0	•0	.0	•0
71-56	• 0	•0	•0	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0
87+	•0	٠0	•0	•0	•0	•0	•0	• ?	• • •	•0	•0	•0	•0	•0
TOT PCT	2.9	5.0	•0	•0	••	•0	4.9	1,4	1.4	,•	•0	•0	•0	4.0

PERIOD:	COVE	-4113	1963-1	972					OCTOBER				AREA	0007	SARAWAK	
			• • • • •					TABLE	18 (CONT)					3,	7N 111.	. BE
				P¢	T FRED D	F WIND	SPEED	(KT\$)	WHO DIREC.	TION V	ERSUS S	EA HEIG	HTS (FT	l		
HGT	1-3	4-10	11-21	S 22-93	34-47	48+	PCT		1-3	4-10	11-21	Sw 22-33	34-47	40+	PCT	
<1	. 5	.7	•0		.0	.0	1.3		1.6	.0	.2	•0	.0	.0	1.8	
1-2	.0	7.9	1.0	.0	.0	•0	9.7		•0	5.2	3.8	•0	.0	.0	9.0	
3-4	.0	.7	.7	.0	.0	•0	1.4		• 5	2.2	.7	•0	•0	.0	2.9	
5-6	-0	•0	•0	•0	•0	•0	•0		• 0	•0	. 5	•0	٠.	•0	• 5	
7	.0	.0	.5	•0	•0	•0	. 5		•0	• 2	2.5	•0	•0	•0	2.5	
3-0	• 0	•0	•0	•0	•0	•0	.0		•0	.2	,,	•0	•0	•0	, 9	
10-11	•0	•0	•0	•0	•0	• 0	•0		.0	.0	•0	•0	•0	.0	.6	
12	.0	• • • •	•0	.0	•0	•0	•0		•0	.0	.0	.0	•0	.0	•0	
13-16	.0	.0	•0	••	•0	•0	.0		• 0	.0	.0	•0	.0	.0	•0	
20-22	.0	.0	•0	.0	.0	• 0	.0		:6	ĕ	.0	.0	.0	.0	.0	
23-25	.ŏ	.0	•0	.0	.0	.0	.0		ěč		.0	.5	.5	.0	.0	
26-32	.0	.0	40			.0	.0		.0	.0	.0	•0	.5		•0	
33-40	.ŏ		.0		.0	.0	ő		· č	.0	.0	.0	.0		•0	
41-48	.0	.0	•0	.0	.0	•0	.0		.0	. 0	.0	.0	. 0	.0	•0	
49-60	.0	.0	•0	.0	• 0	.0	.0		•0	٠,	.0	•0	• 0	.0	•0	
61-70	.0	.0	•0	•0	•0	•0	• 0		• 7	•0	.0	•0	• 0	•0	•0	
71-86	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	• 0	•0	•0	
87+	.0	.0	•0	• ?	• 0	•0	.0			0	•0	•0	•0	•0	•0	
TOT FCT	.5	9.4	3.1	•0	•0	•0	12.9		1.6	7.6	8.5	•0	•0	•0	17.6	
				W								W.				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+		PCT
<1	2.0	5.5	•5	•0	•0	•0	4.7		• • • •	1.4	•0	•0	• 0	•0		
1-2	•0	9.5	. • 7	•0	• ?	•0	10.3		.7	4.7	.0	•0	•0	.0		
3-4 5-6	.0	2.0	1.6	•0	•0	•0	2.3		.0	, o	.0	•0	•3	.0		
7	:0	.0	1.5	.0		.5			.0	.0	.0	•0		:0		
4-9	.0	.5	•0	-0	.0	.0			ěŏ	٥	.0	.0	.0	.0		
10-11			•6	•0	.0	•0	.0			.0	.0	.5	.5	.ŏ		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	•0	
13-16	.0	.0	•0	.0	.0	•0	.0		.0	.0	•0	•0	•0	.0		
17-19	.0	.0	•0	.0	.0	•0	.0		•0	.0	.0	•0	.0	.0		
20-22	.0	.0	•0	.0	.0	-0	.0		•0	.0	.0	•0	•0	•0		
23-25	.0	.0	•0	•0	.0	•0	.0		•0	• 0	.0	•0	•0	.0		
26-92	.0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0		
33-40	.0	.0	•0	٥.	•0	•0	.0		•0	•0	.0	•0	•0	.0		
41-48	٠.	.0	•0	.0	.0	•0	.0		•6	:0	.0	.0	•0	•0		
49-40	٠.	.0	•0	٠,٥	.0	•0	•0		.0	.0	•¢	.0	•0	•0		
61-70	•0	.0	•0	.0	•0	.0	•0		•0	.0	.0	•0	•0	.0		
71-86	٠,	•0	•0	.0	.0	•0	•0		•0	.0	.0	٠,	.0	.0		
874 107 PCT	2.0	14.9	4.9	•0	.0	•0	21.8		• • •	7.0	•0	•0	.0	.0		87.8
TUI PCI	2.0	14.7	4,7	.0	•"	••	21.0		• •		•0	•0	•0	••		V 1 • •

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
нет	0-3	4-10	11-21	22-33	34-47	45+	PCT	TOT
<1	23.4	7.1	.7	.0	.0	. 0	31.2	0.53
1-2	3.5	37.6	6.4	.0	.0	.0	47.5	
3-4	.0	8.5	3.5		. 0		12.1	
5-6	.0	1.4	2.8		.0		4.3	
7			3.5	ŏ	.0		3.5	
8-7		.,	.7	.0	.0		1.4	
10-11	.0			ő	.0		•:6	
15	.0	.0	.0	.0	.0		.0	
13-16	.ŏ			.0	.0		.ŏ	
		•0	•0					
17-19	•0	•0	.0	•0	.0		•0	
20-22	.0	•0	.0	•0	.0		.0	
23-25	•0	.0	.0	.0	٠,		.0	
26-32	•0	•0	.0	•0	.0	.0	.0	
73-40	•0	•0	-0	•0	.0	.0	.0	
41-48	.0	.0	-0	.0	•0	.0	-0	
49-40	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	•0			.0	.0	
71-86	.0	.5	.0				.0	
874		,ŏ	-0				.0	
•.•	••	,,,	••	••	•••	• • •	••	141
787 BFT	27.0	44.2	17.7	.0	.0	. 0	100.0	141

PER1D	D: {DY	ER-ALL	194	9-197	2				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS 1	MAYE PI	ERIOD	(SECON	DS1						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-40	61-70	71-86	87+	TOTAL	MEAN HGT
<	12.5	29.4	15.8	2.3	1.0	.0	.0	.0	.0	.0	.0	.0	۰۵	.0	.0	.0	.0	.0	.0	185	2
6-7	.0	3.3	6.9	4.3	1.0	.7	.0	.0	.0	.0	;0	.0	.0	.0	.0	.0	۰,0	.0	.0	49	4
6-7 8-9	.0	•C	2.0	2.3	1.0	.0	.0	.0	.0	.0	•0	•0	:0	.0	.0	.0	.0	.0	٠.	16	5
10-11	.0	. 3	.0	.3	.3	.0	• 3	•0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	٠.	4	
12-13	.0	.0	.0	.0	.0	.0	.0	.0		.0	;0	.0	.0	.0	•0	٠.	٠.	.0	.0	0	
>13	.0	•0	.0	.0	.0	.0	.0	.0	• • 0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	0	
INDET	11.2	2.3	1.7	1.0	.0	.0	•0	.0	.0	.0	:0	.0	.0	.0	•0	.0	.0	.0	.0	49	1
TOTAL PCT	72	107	80 26.4	10.2		.7	•3			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	303	2

PAGE 534

€.

•

MOV	-	

PERIOD:	(PRIMARY)	1928-1972
	COVER-ALL Y	1881-1077

AREA 0007 SARAWAK 3.7H 111.6E

PERCENT	FREQUENCY	ΩF	WEATHER	DCCURRENCE	27	MIND	DIRECTION

			•	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHENO	MENA	
MIG GUM	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER PRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG HO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	7.5	2.0	2.2	.0	.0	.0	.0	12.6	1.0	4.7	. 6	.0	•0	•0	82.6
NE	5.1	1.8	. 2	.0	٠0	.0	.0	7.0	1.4	1.4	-0	.0	.7	•0	89.4
E	9.9	3.6	1.0	.0	.0	٠.	.0	15.3	1.4	3.1	.0	.0	•0	.0	77,9
SE	11.9	4.1	.0	.0	•0	.0	• 0	16.0	2.6	1.5	40	.0	.0	•0	80.9
S	18.1	1.3	1.3	.0	.0	.0	.0	19.5	3.7	3.7	• 0	.0	.0	•0	73.2
Šw	15.1	6.0	1.7	.o	•0	.õ	•0	22.6	3.9	2.6	•0	.0	1.7	.0	69.0
ŭ	13.4	2.9	1.5	.0	.0	.5	.0	17.8	3.4	1.5	.0	ŏ			76.8
ÑW	11.0	1.0			.0	.0	.0	13.6	•0	2.6		ŏ	. 4		83.4
VAR					.ŏ		.0			.0	.0	ŏ			100.0
CALM	4.1	2.0	.0	.0		:0	.0	6.1	.ŏ	4.1		.e	.0		89,8
107 PCT	10.6	2.9	1.2	.0	•0	•0	•0	14.6	2.0	3.0	•1	•0	.5	•0	00.3

TABLE 2

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P		CTHER	WEATHER	PHEND	HENA							
HOUR (GHT)	RAIN	RAIN SHWR	DR7L	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNDH	ND Sig Wea
00803 06809 12815 18821	14.2 4.2 6.6 17.8	4.6 1.4 1.8 4.6	1.7 1.4 .9	.0	•0	•0	.0	70.0 7.0 9.3 72.8	2.9 4.7 .0	1.3 .9 5.3 5.1	.0	.0 .0	.6 .5 .0	•0 •0 •0	75.8 87.0 85.9 71.1
TOT PCT	10.6	3.1	1.1	.0	•0	•0	•0	14.7	2.0	3.1	-1	•0	. 9	•0	80.1

#### TARLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			55-33 ED (KNO		48+	TOTAL OBS	PCT FRFQ	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	16	21
N NE E SE SW W War Calp Tot obs	3.1 4.2 1.9 1.2 1.3 .9 1.7 2.8 .0 8.0 273	9.3 10.5 4.4 3.8 5.4 8.6 9.8 9.8	1.5 1.5 .5 .4 1.8 3.5 2.5 1.3	.0	.0	• • • • • • • • • • • • • • • • • • • •	1092	13.9 16.1 7.0 5.3 8.5 13.0 14.0 14.0	6.3 5.6 6.1 8.8 7.6 6.8 5.0	10.0 16.7 11.6 8.0 14.2 16.8 8.0 6.0 5.6	8.2 10.3 10.0 8.4 15.3 16.1 11.3 10.3	9.6 14.2 7.6 5.6 13.0 16.2 11.7 13.7	18.5 16.4 3.4 2.7 3.4 10.9 16.4 21.4 21.4	15.5 16.5 4.3 2.0 4.0 9.9 22.2 16.1	25.3 17.9 5.3 4.7 4.2 6.3 15.3 18.9 2.1	12.1 17.1 6.3 3.2 4.0 15.1 13.5 14.5 14.5	15.4 14.3 6.3 8.3 9.0 11.0 11.6 14.5
TOT PCT	25.0	61.5	12.9	. 5	•1	•0	1042	100.0	•••			100.0					100.0

# TABLE 3A

WNO DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL Des	FCT FREU	MEAN SPD	03 03	HBU9 06 09	(GMT) 12 15	18 21
N NE E SE S S S N N N N N N N N N N N N	9.3 10.4 5.2 3.3 3.5 4.5 7.1 8.3 .1 8.0 651	4.3 5.5 1.7 2.0 4.8 6.1 6.5 5.3	.3 .3 .1 .0 .2 .4 .5 .3 .0	.0	00.000000000000000000000000000000000000	1092	13.9 16.1 7.0 5.3 8.5 13.0 14.0 14.0	6.3 6.2 5.6 6.1 8.0 8.8 7.6 6.2 5.0	9.4 10.6 11.1 8.2 14.5 10.6 7.1 202 100.0	13.9 17.3 .0 7.5 279	18.9 17.0 4.6 3.0 4.1 8.7 19.7 17.1 7.0 271 100.0	13.8 15.7 6.3 5.9 6.6 13.0 13.5 14.5

M	D٧	49	E	
				,

PERIOD:	(PRIMARY)	1928-1972
	401450-4444	1444-1033

AREA 0007 SARAWAK 3.7N 111.8E

PERCENTAGE	FPEQUENCY	CF	WIND	SPEED	BY	HOUR	(GPT)

MOUR	CALM	1-3	4-10		SPEED (		48+	MEAN	PCT FREQ	TOTAL
60200	7.1	17.G	57.6	15.6	.7	.c	۰.c	6.9	100.0	282
06609	7.5	16.8	60.6	14.7	.0		•0		100.0	279
12615	7.0	16.2	64.9	11.4	. 4	.0	.0		100.0	271
18621	10.4	18.1	61.2	9.6		•0	•0		100.0	260
TOT	87	186	672	141	5	i	ō	6.4	••••	1092
PCT	8.0	17.0	61.5	12.8	.5	•1	.0		100.0	•

TARLE 5

TABLE 6

	PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN						PERCENTAGE SPEQUENCY OF CEILING MEIGHTS (FT.MH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WHD DIF	R 0-2	3-4	5-7	8 £ nasco	TOTAL CBS	CDVER CDVER	000 149	150 294	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH €5/8 ANY HGT	
N	1.4	3.0	3,1	3.6		5.3	.0	٠,	.4	1.3	1.5		.0	.0	٥.	.0	7.4	
NE	1.4	5.1	9.1	7.4		5.3	.3	• 0	. 6	1.5	3.7			•0	•0	.1	10.4	
E	. 3	1.9	3.7	+0		5.4	• 0	• •	.0	.7	1.3	. 4	.0	•0	.0	. 4	3.6	
ŠE	.0	. 2	2.0	1.5		6.8	•0	• 0	. 6	.3	1.4	• 3	. 3	•0	-0	.0	.9	
Š	. 3	. 9	4.0	3.4		6.7	•0	• 0	. 2	1.2	2.4		. 5	•0	. 3	•0	3.6	
Š×	. 5	2.2	7.1	5.9		6.4	•0	•0		3.3	2.9	1.1	. 3	. 3	•0		7.7	
w .	1.7	3.7	6.1	4.3		5.5	• 2	. n	, n	2.0	1.9	1.2	. 8	•0	•0	•0	9.6	
äw	. 5	1.3	5.7	5.2		6.5	.3	.0	. 6	2.0	1.4			•0	•0	.0	7.5	
VAR	.0	.0	.0	•0		•0	•0		.0	•0	•••	•0	.0	.0	•0	.0	•0	
CALM	2.6	1.0	2.0	1.3		4.1	• 6	.0	, 3	.3	. 8	.0		.0	.0	.0	6.4	
TOT DE		79	168	112	392	5.8	3	ň	ii	49	66	21	12	ű	• • •	• • • • • • • • • • • • • • • • • • • •	224	392
TOT PC		20.2	42.9	28.6	100.0		. 6	+0	2,6	12.5	17.3	5.4	3.1	. 3	. ;	. 5	57.1	100.0

TARLE 7

Č.	SMULATIVE	PCT FRE	O OF	STHULT!	MEDUS	OCCURPENCE
•	OF CEILI					

				VSBY (NH	13			
CEILING	• CR	- CR	● ER	- DR	- DR	• CR	- CR	• CR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	.7	•7	.7	.7	.7	.7	.7	.7
■ OR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ OR >3500	2.7	3.7	4.0	4.0	4.0	4.0	4.0	4.0
■ OR >2000	7.0	9.0	9.2	9.2	9.2	9.2	9.2	9.2
■ DR >1000	17.5	24.2	25.4	26.2	20.2	26.2	26.2	26.2
. OR >600	23.4	32.9	36.7	38.4	38.4	38.7	30.7	30.7
• OR >300	24.2	34.9	38.9	41.6	41.6	41.9	41.9	41.9
■ OR >150	24.2	34.9	36.9	41.6	41.6	41.9	41.9	41.9
• DR 3 0	24.2	34.9	39.7	42.4	42.4	42.6	42.6	42.6
TOTAL	97	140	159	170	170	171	171	171

TOTAL NUMBER OF DBS1 401

(

PCT FREQ HH <5/81 57.4

-{

1

TABLE 7A

## PERCENTAGE FREQ OF COW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCO TOTAL CORS 2.7 7.2 16.9 17.8 12.6 9.0 11.2 10.6 11.5 .7 445

Nn	 м 1	•

ERIODI	(PRIMARY) 1 (DVER-ALL) 1							TA	BLE F				ARS	4 0007	SARAWAK 3.7N 111.8E
			ρ	ERCENT	FREQ (	F WIND	DIRE IDN 41	CTION TH VAR	4146 A	URRENCE ALUES	E OR N OF VIS	IBILIT	URRENC IY	€ OF	
	VSBY (NR)		N.	NE	٤	Së	\$	Sw	W	NH	VAR	CALH	PCT	TOTAL	
		PCP	.c	.0	.1	.0	.0	• 0	٠,٥	.0	.0	• • • •	,1		
	<1/2	NO PCP	.0	.0	.0	•0	•0	•0	.0	.0	.0	•0	, 0		
	4-1-	TOT %	ō	.0	.1	.0	•0	•0	.0	•0	•0	•0	.1		
		PCP	.0	.:	.0	•1	•0	.0	.0	.0	.0	•0			
	1/2<1	NO PCP	.0	.0	.0	•0	• 0	• 0	.0	.0	.0	.0	.c		
		TOT \$	.c	.9	• 0	.1	.0	• ^	٠	.0	٠,	.0	١.		
		PCP	. 3	.3	.?	•	• 2	.3	. 3	• 2	.0	• 1	1.9		
	1<2	NO PCP	.0	•0	.0	•0	•0	•0	. 1	, ţ	•0	•0	.1		
		101 \$	. 9	. 3	• 2	•	• 2	• •	,3	•2	•0	•1	2.0		
		PCP	.2	. 3	.1	.1	• 1		.9	.3	.0	•1	2.5		
	2<5	NO PCP	.1	,4	.0		.3	:4		.3	.0	• 0	1.9		
		TOT %	.3	.6	.1	•1	.4	.,	1.3	.7	.0	•1	4,4		
		PCP	1.3	.4	.5	.5	1.0	2 • 1	1.0	1.3	•0	•1	8.3		
	5<10	NO PCP	5.1	3.6	1.2	2.3	1.9	2.9	4.0	4.3	.0	.9	26.4		
		TOT %	6.4	4.1	1.8	2.9	2.9	5.0	5.0	5.6	.0	1.0	34.7		
		PCO	.1	. 2	.2	• 2	• 3	.?	. 5	2	.0	+0			
	10+	43 PCP	7.2	10.9	4.1	2.3	4.8	7-1	9.2	7.9	• 1	4.4	56.8		
		TOT %	7.3	11.1	4-3	2.5	5.1	7.7	9,5	8.2	•1	4.4	58.7		
		TOT COS												864	
		TOT PCT	14.3	16.5	5,4	5.6	8.6	13.5	19.1	14.7	• 1	5.7	100.0		

TABLE 9

							TABLE	-					
			,						VS WIN		ED		
V58Y (NH)	SPO KTS	N	NE	E	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	. 2	.2	. 0	.0	.0	.0	.0	. 2	.0		.5	
	11-21	.0	.0	• 3	.0	.0	.0	.0	.0	•0		. 1	
	22+	.0	.0	.0	.0	.0	-0	.0	.0	.0		.0	
	TOT \$	.2	.2	.1	•0	.0	.0	٠.	. 2	.0	٠.	.6	
	0-3	-0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	•0	.0	•0	• 1	•0	.0	.0	.0	.0		.1	
	11-21	-0	.0	•0	•0	.0	.0	.0	.0	.0		.0	
	22+	• 0	•0	•0	• 0	.0	.0	. 0	.0	.0	_	• 0	
	TOT %	.0	.0	.0	. 1	•0	•0	.0	.0	.0	•0	.1	
	0-3	.0	.1	.1	.0	.0	.0	.1	.1	.0	-1	.3	
1<2	4-10	.4	• 2	• 2	.0	.1	.0	• 1	¢	.0		1.0	
	11-21	.0	.0	•0	•	• 1	. 2	- 1	.1	•0		. 5	
	22+	.0	.0	•0	•0	.0	• 7	.0	.0	.0		. • 1	
	TOT %	.4	•2	•2	•	. 2	. 3	. 3	•2	•0	-1	1.9	
	0-3	.0	.2	•0	•0	.0	-1	.2	.2	.0	.3	1.1	
2<5	4-10	.2	٠,2	• 2	• 1	•1	.3	. 6	.6	.0		2.3	
	11-51	.2	• 1	•0	•1	.3	.5	.6	.1	.0		1.9	
	22*	•0	•0	•0	•0	.1	.0	1.4	.9	.0	.3	5.4	
	TOT %	.4	.6	.2	•1	• 3	.,	1.4	.,	••	.,	<b>7.</b> 4	
	0-3	1.8	1.2	.5	.5	.2	.3	1.0	1.3	.0	1.0	7.9	
5<10	4-10	3.7	2.2	1.1	1.9	1.6	3.4	3.1	3.7	,0	- 1	20.9	
	11-21	.4	.4	•1	.3	.7	1.1	. 6	.4	.0		3.9	
	22+	.0	.0	•0	•0	.0	• 0	•0	.0	.0		.0	
	TOT \$	6.0	3.8	1.6	2.7	2.7	4.7	4.7	5.4	•0	1.0	32.7	
	0-3	1.3	3.1	1.4	.9	1.2	.6	. 6	1.3	.0	5.8	16.2	
10+	4-10	5.2	4.3	2.5	1.9	3.1	4.8	6.3	5.8	•1		36.1	
	11-21		1.0	• •	•0		1.6	1.2	.9	•0		6.5	
	22+	0	•0	•1	• 0	.0	0	. 1	.0	•0		5	
	TOT %	7.4	10.4	4.4	2.8	5.1	7-1	8.2	8.0	•:	5.8	59.3	
	TOT 085												92
•	OT PCT	14.3	15.2	4.4	3.7	4.5	13.0	14.6	14.8	.1		100.0	

SV	c	ш	٠	r

PERIOD:	(PRIM.RY)	1920-1977
	(DVF'-ALL)	1882-1972

PERCENT	FREQUENCY	95	CF	ICING	HEIGHTS	S (PEETANH	>4/81	AND
	necus		ur s	RE N	4 /6/6 5	בייחנו שב		

HOUR (GHT)	000 149	196 299	300 399	600 999	1000 1999	2000 3499	3500 1999	50C0 6499	6500 7999	8000+	TOTAL	3\t> Hr TDH YMA	TOTAL 085
00613	•2	.0	F.6	15.3	2) .8	5.6	4.8		•0	. 8	54.6	45.2	124
90360	٠.	•0	2.5	12.1	12.3	5.6	1.9	.0	. 9	۲.	35.5	64+5	107
12615	.9	.0	.0	6.5	14.0	5.6	2.4	• 2	٠.	. 9	30.0	09.2	107
15251	2.2	.0	3.~	12.6	14.9	2.3	1.1	•0	.0	•0	36.6	53.2	87
TOT PCT	.7	•0	13 3-1	50 11.8	68 16.0	21	13	1	1	2	17.	254 59.8	125

TABLE 11

YABLE 12

		PERCENT	FREQUEN	CA A28A	(P4)	BY HOUR		CUMULAT	CEILIM	FREQ G HGT	GT RAN (FEET,	GES OF NX >4/0	VSBY (NH)	#ND/OX
HOUR (GMT)	<1/2	1/2<1	142	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH -5,8	. DTAL DBS
00603	. 8	. •	, 8	4.8	35.3	57.8	749	60300	•0	6.6	24.0	33.2	43.4	121
90360	.4	-0	1.3	2,1	24.5	67.7	235	90360	•C	3.0	10.8	20.8	62.4	101
12615	.4	•0		5.8	32.9	50.0	240	12615	1.0	1.0	10.0	24.0	66.0	100
18621	.9	.0	1.5	9.1	32.9	11.6	219	18221	2.5	5.3	24.1	16.5	59.3	79
TOT PCT	.6	.1	19 2.0	51 5.4	306 32.4	360 39.4	943 100.0	TOT PCT	.7	17 4•2	75 18.7	97 24.2	219 97.1	401 100.0

				T	APLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	EČATIV	E HUNIO	33TY B	TEMP				PFRC	ENT FR	EQUENC	Y OF 1	1140 DI	RECTIO	N SY 7	EMP	
TEMP P	9-29	70-39	40-49	50-59	40-69	70-79	80-89	90-100	TOTAL	PCT	N	NE	E	SE	s	SW	u	K I	VAR	CALM
90/94 85/89 80/84 75/79	• • • • • • • • • • • • • • • • • • • •	•0	.0 .0	•0 •0	1.0		2.6 36.1 6.4	.0 1.4 14.3 12.9	49 345 100	20.1	1.0 9.5 1.9	.3 1.5 11.2 2.2	.0 .6 .6	.0 .5 3.6 2.0	.0 .6 4.3 2.7	1.3 9.6 4.4	10.0 10.0 3.4	2.6 10.2 2.0	.0 .0 .0	.0 8 5.6
TOTAL PCT	•0	_	.0	-	-	122	225 45.2	142 28.5	498	100.0	12.7	15.1	A. 0	4.1	7 4					7.0

				TAE	LF 15									TABLE	ie			
	MEANS,	EXTREMES	AND	PERCEN	ITTLES	Q# T\$P	IP (DE	G 5) (	BY HOUR		PERC	F if FRE	QUENCY	OF RELA	TIVE H	VTIDIMU	SY HOUS	k
HOUR (GK7)	MAX		*3×	50%	5%	13	HIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	\$0=59	60-69	70-74	80-89	90-100	HEAN	TOTAL DES
00803 06809 12815 18821	#* 94 ## #3	88 90 86 84	85 88 34 93	81 82 61	77 77 77 70	75 75 75	72 72 73	81.0 82.6 81.2	271 295 267	E0300 90300 21/51	•0	•0	7.5 2.4	22.1 43.5 20.4	46-2 34.9 54.9	15.1 23.2	80 84	145 106 142
TOT	14	•	85	81 81	77	75 75	73 72	80.2 81.2	265 1058	18621 TO7	.0	•0	10	17.9	39.3 228	42.7	87 64	117 510

PAGE 538

**{** }

NOYEMBER

FERIOD: (PRIMARY) 1928-1972 (OVER-ALL) 1882-1972

TABLE 17

ARGA 0007 SARAWAK 3.7N 111.8E

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-354 TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69 72	73 76	77 80	31 64	85 88	89 92	>92	<b>707</b>	W FUG	HO FOG
									_	
11/13	.0	.0	.0	. 1	.0	.0	•0	1	.0	.1
7/8	.0	•0	۰.	.0	. 0	• 1	. 1	2	•0	. 3
5	.0	•0	.0	. 1	.0	. 3	.0	2	•0	.4
4	. 0	.0	.0	, 3	. 5	. 3	.0	8	.0	1.0
3	.0	• •	.0	.1	.6	. 3	.0	6	.0	1.0
ž	.0		.ŏ	2.6	2.6	• 1	.0	41	•0	5,3
ž	.0	•0	i	1.6	.,	.0	.0	20	.0	2.6
ö	.ŏ	ě	.6	10.9	1.9	.0	.0	104	.0	13.5
-ì	.0			5.7	• . 5	ŏ	.0	54	.0	7.0
-2	•0	• 1	3.8	19.8	. 4	. 0	.0	186	• 1	24.0
-3	.0	• 0	2.7	5.2	. 3	.0	.0	63	•0	8.2
-4	.0	. 4	9.6	2.7	.0	٠.	.0	244	.0	18.7
~5	.1	.4	6.7	1.9	.0	.0	.c	64	.0	8.3
-6	.0	. 5	3.1	. 3	.0	.0	.0	30	• 0	3.9
-7/-8	ii	1.9	2.5	, 3	.0	.0	. c	37	• 0	4.8
-9/-10	.0	. 3	.4	.0	.0	.0	.0	5	.0	.6
-11/-13		•1	.0	.0		.0	.e	ĭ	.0	. 1
TOTAL	ž	••	234	••	60	••	ĭ	•	ĭ	770
IDIAL	-		634		90	_			•	
		39		4 37				771	_	
PCT	.3	3.9	30.4	56.7	7.6	1.0	-1	100.0	• 1	99.9

PERIOD: (OVER-ALL) 1963-1972

TARLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 20-32 33-40 41-8 49-60 61-70 71-86 87-7 1-3 4-10 1.9 4.5 .9 .0 .0 .0 .0 .0 .0 .0 .0 HGT
1 2 3 - 4 6
7 9
10 - 11
13 - 19
20 - 22
23 - 34
41 - 60
61 - 70
71 - 87
71 - 87
71 - 87 48+ 1-3 

PAGE 539

								ř	HOVEMBER				4967	0007 5		
PERIODI	COVE	-ALL)	1963-1	972				TARLE	18 (CON	T)			PREA		7H 111	. £ E
				PC	T FRED DF	MIND	SPEED	(KT5)	AND DIR	ECTION	VERSUS .	SEA HEIG	HTS (FT)			
HGT	1-3	4-19	11-21	5 22 <b>-3</b> 3	34-47	48+	PCT		1+3	4-10	11-21	SW 22=33	34-47	48+	PCT	
<1	1.1	.6	.0	.0	.0	.0	1.7		.0			.0	•0	.0	.6	
1-2	. 9	1.9	.6	•0	•0	·ŏ	3.4		.0	6.5		.0	•0	.0	7.3	
3-4		2.2	•0	.0	ě	.0	2.2		, 6	1.1		•0	•0	.0	3.1	
5.6	. 0	6	•0	•0	.0	• 0	.6		.0	1.4		•0	•0	• 0	3.7	
7	.0	.0	•0	.0	. 3	٠č	.0		.0	• (		.0	.0	.0	•0	
8-9	.0	.0	.0	•0	•0	• 0	.0		.0	. (	• • •	•0	•0	.0	• 0	
10-11	.0	.0	•0	۰٥	.0	•0	•0		.0	. (	• •	•0	•0	•0	.0	
12	.0	.0	•0	•0	•0	•0	•0		•0	.(		•0	•0	•0	•0	
13-16	.c	.0	•0	•0	•0	.0	• 0		•0			•0	•0	• 0	•0	
17-19	.0	•0	•0	•0	•0	.0	• 0		•0			•0	•0	.0	•0	
20-22	.0	•0	•0	•0	•0	-0	•0		•0			•0	•0	•0	•0	
23~25	• 0	.0	•0	•0	٠.6	•0	.0		•0			•0	•0	•0	•0	
26-32	•0	.0	•0	•0	•0	•0	•0		.0			•0	•0	.0	٥.	
33-40	•0	•0	•0	•0	•0	•0	٥.		.0			•0	•0	.0	•0	
41-48	.0	.0	•0	•0	٥.	.0	•0		.0			.0	•0	.0	ě	
49-60 61-70	.0	.0	•0	•0	.0	.0	.5					.0	•0	.ŏ		
71-86	.0	:0	•0	•0	•0		.0		.0			•0	iõ	.0	.0	
87+	.0	.0	•ŏ	.0	ě		,0		. 6				.0		• 5	
TOT PCT	2.0	5.3	.6	•0	•0	.0	7.9		.6	9.	5 4.7	•0	•0	•0	14.8	
				u								4#				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-1	0 11-21		34-47	48+	PCT	PCT
ζì.		1.2		0	•0	•0	2.5		1.2				•0	.0	1.2	-
1-2	.5	5.7	2.3	•0	•0	•0	8.1		1.9	3.			•0	.0	5.7	
3-4	.0	1.6	1.1	.0	•0	•0	2.6		,0	1.			•0	.0	2.6	
5-8	.0	- 6	.5	•0	•0	•0	1.1		٠,				•0	•0	1.1	
7	.c	.6	.6	.6	•0	.0	1.9		•0				•0	•0	1.2	
8-9	.0	• 0	•0	•0	• • •	•0	•0		•0		•		•0	•0	•0	
10+11	•0	.0	•0	•0	•0	•0	.0		•0				•0	•0	•0	
12	•0	•0	•0	•0	•0	•0	•0		•0				•0	.0	•0	
15=10	.0	.0	.0	•0	.c	•0	.0		.0				•0	.0	.0	
13-17	٠.	•0	•0	.0	•0	.0	.0		.0				•0	.0	:0	
29+45	.0	.0	.0	•0	.0	.0	•0		ič				•0	.0	.0	
26-32	.0		.0	.0	.0	:6							.0	.0		
33-40	.0		.0		.0		.0						•0	.0	.0	
41-48	ě		.0		.0	.ŏ	.0		i				•0	.0	.0	
49-60		.0	•0		ě		.0		i				•0	.0	.0	
51-70		.0	•0	.0	.5	.0	.0		.0				•0	.0	.0	
71-86		.0	•0	.0	.0	•0	•0		.0			.0	•0	.0	٠0	
87+	.0	.0	.0	•0	.0	-0	.0	ľ	• 0				•0	.0	•0	
TOT PCT	.6	9.8	5.1	.6	•0	•0	16.1		3.1		4.0	•0	•0	•0	12.0	93.2

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HST	0-3	4-10	11-21	22-33	34-47	48+	PCT	T2T 085
<1	13.5	6.1	.6	.0	•0	.0	20.2	005
ì-2	6.7	29.4	5.5	ò	.0	.0	41.7	
3-4	. 8	14.7	6.7	.0	.0	.0	22.1	
5-6	.0	4.3	7.4	.0	.0	.0	11.7	
7	.0	. 5	2.5	. 6	.0	.0	3.7	
8-9	.0	.0	.0	.0	•0	.0	.0	
10-11	.0	.6		.0	.0	.0	. 6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16				.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	ŏ	.0				
23-25	.0	.0					.ŏ	
26-32	.0	ŏ					.0	
33-40	.ŏ	.ŏ						
41-48	.0						.č	
49-60	.0		•0				.0	
61-70	.0						.0	
71-86		•0					.0	
87+	•0	•0	.0				.ŏ	
8/4	•0	•0	••	•0	••	••	••	163

TOT PCT 20.9

(

PERIO	D1 (Q1	EZ-ÁLL	.) 194	9-1972	!				TABLE	19											
					PPRCEN	T FRE	QUENCY	OF WA	VE HEI	GAT TE	T) VS	MAVE P	ERIGD	(SECON	DS ;						
PERIOD (SEC)	<1	1-7	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-85	87+	TOTAL	MEAN HGT
	2.8	22.3	15.4	4.1	1.6	.0	3	.0			10	.0	.0	.0	.0	.0	.0	,0	.0	148	3
<6 6-7	•	6.0	13.4	1.1	1.9			.0			.0	.0					.0	.0	.0	100	4
1-7			1.3	5.0	2.6			.õ			:0	.0	,ò			.0	.0	.0	.0	31	6
10-11	.0	.;						.ă			.0	, ō	.0				.ŏ	.0	.0		5
12-13	• 6	.0		.3	.0	.0		.0				.0						.0	.0	3	4
113	.0			.6				.0					.ŏ		.0		.0	.ŏ	.0	0	
>13 INDET	4.3	2.2										.0						.0	.0	29	1
	30	- ;;	103	59	23	``	i	0				ő	ō	0	ő	ŏ	0	ő	Ŏ	319	3
TOTAL PCT	3.4	16.7	32.3	18.5	7.2	1.4		.0		ة. ا		•0	i.ŏ	.ŏ	•0	٥٠	٥.	40	.0	100.0	

.0 100.0

Í

PAGE 540

PERIOD: (PRIMARY) 1933-1972 (OVER-ALL) 1874-1972

Ŧ,

TABLE 1

AREA 0007 SARAWAK 3.7N 111.7E

PERCENT	FREQUENCY	40	WEATHER	OCCURRENCE	BY	MIND	DIRECTION
- ENCEIN	LUE ROEME!	96	MCWCV	ACCOUNTICE	01	******	OTVECTION

			,	RECIPI	TATIO	N TYPE					STHER	WEATHER	PHEND	MENA	
AND DIS	RAIN	RAIN SHWR	ORTL	FRZG PCPN	SHON	DTHER FRZN PCPN	HAIL	PCPN AT 03 TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	FOG WO PLPN PAST HR	SHOXE	SPPAY BLWG DUST BLWG SNOW	
N	5.6	1.9	.0	.0	.0	.0	.c	7.5	4.1	1.5	.2	.0	•0	•¢	86.7
NE	8.1	5.2	.7	.0	.0		.0	13.6	3.5	1.7	.2	.0		•0	80.6
E	8.5	7.3	.0	.0	.0	.0	.0	15.8	8.5	.0	•0	.0	•0	.0	75.7
ŠE	16.4	.0	.0	. 0	•0	.0	.0	16.4	. 9	.0	.0	.0	•0	.0	82.7
S	19.6	.0	.0	. 0	.0	.0	.0	19.6	5.6	.0	.0	.0	•0	.0	74.8
Š₩	13.3	4.8	2.4	.0	.0		.0	20.5	3.0	.0	.0	.0	•0	•0	76.5
w.	6.4	3.7	4.3	.0	•0		.0	12.2	7.4	.0	.0	.0	•0	•0	80.3
Nw	13.4	.3	3.3	.0	.0		.0	15.8	4,9	2.7	.0	.0	1.1	.0	75.4
VAR	.0	. 0	.0	.0	.0		.0	•0	.0		.0	. 0	•0		.0
CALM	13.2	.0	.0	.0	•0		•0	13.2	.0	2.6	.0	.0	•0		84,2
TOT PCT	9.3	3.1	1.0	.0	.0	.0	•0	13.1	4.1	1.4	•1	•e	.3	•0	81.0

TABLE 2

PERCENT	FREQUENCY	٥F	MEATHER	OCCURRENCE	34	HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GHT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	DE TIME	PCPN PAST Hour	THOR LTNG	FDG VD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	
00603 06609 12615 18621	13.9 8.2 4.5 10.0	3.8 3.6 1.5 4.7	2.4 1.0 .5	.0	.0		.0 .0 .0	19.2 11.8 6.5 15.2	5.3 5.1 2.5 4.3	1.0 .0 1.5 2.8	.0 .5	.0 .0	•5 •5	•0	74.0 83.1 88.5 77.7
TOT PCT TOT CBS:	9.2 814	3.4	1.1	•0	•0	•0	•0	13.3	4.3	1.4	•1	•0	•2	•0	80.7

TARLE 3

### PERCENTAGE FREQUENCY OF WIND PIRECTION BY SPEED AND BY HOUR

WND 019	0~3			ED (KN) 22+33		48+	TOTAL	₽ċT	4544	00	03	26	HSUR 09	(GHT)	15	18	21
		-					Des	FREQ	SPD			_			_		
N HE	1.6	13.8	11:6	1.6	:1	:0		34.0	10,8	16.6	36.7	15.9	30.8 28.4	23:1 35:2	40.9 36.5	25.0 41.0	28:4 34:9
E	. 8	3.7	1.5	.0	.0	.0		5.8	8.4	6.4	9.3	10.3	4.5	2.5	6.2	1.6	6.0
SE	.7	3.1	• 2	.0	.0	.0		4.0	6.2	6.4	6.4	6.9	1.7	.6	1.2	1.2	7.8
\$	.6	2.1	1.4	.0	.0	•0		4.1	8.7	6.8	6.4	7.5	1.7	1.6	.6	3.3	3.2
Sw	.7	2.6	1.1	. 2	.0	.0		4.8	8.4	5.3	4.1	9,8	3.4	3.4	1.2	4.2	4.5
le le	.6	3.6	1.0	.1	.2	.0		5.4	9.3	4.5	2.3	5,3	8.3	9.1	4.1	6.8	•0
Nw	1.4	6.8	2.9	. 8	•	•0		11.9	9.5	10.3	11.3	10.0	14.3	17.2	8.2	11.3	10.8
VAR	.0	•0	.0	.0	•0	.0		.0	.0	.0	•0	.0	.0	•0	.0	.0	•0
CALM	5.4							5.4	•0	7.5	2.3	5.0	6.0	7.2	1 . 2	5.6	4.3
TOT OBS	157	567	285	49	7	0	1065		9.4	173	46	160	117	167	85	161	116
TOT PCT	14.7	53.2	24.8	4.6	.7	•0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WHD DIR	0=6	WIND 7-16	SPEED 17-27	(KN0TS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPU	00 03	H0UI 06 09	12 13 15	18 21
N	7.3	12.3	4.3	.5	.0		24.4	10.8	20.0	22.2	29.1	26.4
HE		19.3	4.2	.7	.0		34.0	10.6	33.2	28,9	35.6	38.4
e	2.7	2.9	.4	•0	.0		5.9	8.4	8,7	7.9	3,8	3.4
5 E	2.5	1.5	•0	•0	-0		4.0	6.2	6.4	4.7		4.0
5	1.6	2.2	. 3	.0	•0		4.1	8.7	6,7	5.1	1.3	3.2
5 w	2.2	2.3	.3	•0	•0		4.1	8.4	4.9	7.1	2.7	4.3
¥	1.9	3.1	3	. 2	.0		5.4	9.3	3.8	6.6	7.4	4.0
NW	4.1	6.4	1.4		.0		11.9	1.5	10.4	11.8	14.2	11.1
VAR	.0	•0	.0	•0	.0		.0	.0	.0	.0	.0	•0
CALM	5.4				_		5,4	.0	5.4	5.8	5.2	5.1
TOT DES	378	533	119	15	٥	1045	201	9.4	259	277	252	277
TOT PCT	37.4	50.0	11.2	1.4	• 6	_	100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIODI	(PRIMARY) (DVER-ALL)	1933-1972 1874-1972						THALE	•			AREA	0007 SAR 3.76	AWAK 111.7E
				PER	CENTAGE	FREQU	ENCY OF	WIND	SPEED BY	HOUR	(GMT)			
		HQUR	CALH	1-3	4-10		SPEED 22-33			MEAN	PCT FREQ	TOTAL DBS		
		00603 06609 12615 18621 TOT PCT	5.8 5.8 5.2 5.1 58 5.4	8.5 13.0 5.2 10.1 99 9.3	52.1 52.0 59.5 49.8 507 53.2	27.0 24.5 26.2 29.2 285 24.8	5.4 4.3 4.0 4.7 49	1.	4 .0 0 .0 1 .0 7 0	9.5	100.0 100.0 100.0 100.0	259 277 252 277 1005		

	TABLE 5 PCT FRED OF TOTAL CLOUD AMOUNT (EIGHTHS)											T	AGLE 6					
	PCT FREO OF TOTAL CLOUD AMOUNT (EIGHTHS) BY MIND DIRECTION HEAN												CEILIN NH <5/					
MND DIE	0-2	3-4	5-7	8 4	TOTAL CBS	SLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	3000 6499	6500 7999	8000÷	NH C5/8 ANY HGT	
N NE	2.1 3.1	4.7 7.7	7.6 15.1	7.1 8.0		3.5	.0	•0	.2	1.6	4.6	2.7	:0	.0	.0	•0	12.5	
S E	.5	.2	3.1			6.3	•0 •2	•0	.1	1.1	.7	•5	.0	•0	•2	• 9	3.1	
S S w	•1 •1	1.2 .2 1.1	1.9 3.1 2.9	2 · 1 2 · 4 2 · 3		6.2	•0	•0	.0	.3 .8 .7	2.2		.3	•1	•0	•0	2.8	
NW VAR	.6	1.0	4.9			6.1 6.4	•0	•0 •0	.6	2.0	2.1	1.0	.2	•1	•0	•0	Z.5 4.2 .0	
CALM TOT DES		1.8 92 18.2	1.6 211 41.7	1.6 162 32.0	506 100•0	5.0	• 2	90	11	52 10.3	1.0	8.7	.0 11 2.2	1.2	•0	•0	4.2 271 53.6	506 100•0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM 34/8) AND VSBY (NM)

				VSBY (N)	1)			
CEILING	• OR	- OR	• OR	# OR	= GR	• DR	- DR	* OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6500	.0	.2	,2	.2	.2	.2	.2	.2
- DR >5000		1.2	1.2	1.2	1.2	1.2	1.2	1.2
- DR >3500	1.7	3.1	3.1	3.1	3.3	3.3	3.3	3.3
■ DR >2000	7.3	11.6	12.1	12.1	12.3	12.3	12.3	12.3
. DR >1000	19.7	30.3	32.6	32.6	33.1	33.1	33.1	33.1
. DR >600	24.1	39.1	42.2	42.6	43.4	43.4	43.4	43.4
■ DR >300	25.2	40.8	44.1	44.5	45.5	45.5	45.5	45.5
- OR >150	25.2	40.8	44.1	44.5	45.5	45.5	45.5	45.5
• DR > 0	25.6	41.2	44.7	45.1	46.1	46.1	46.1	45.1
TOTAL		214	232	234	239	239	239	239

TOTAL NUMBER OF OBS: 519 PCT FREG NH <5/81 54.0

# TABLY 74 PERCENTAGE FREQ OF COM CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSC0 DBS 2.0 4.2 17.8 15.8 11.5 9.9 10.7 6.9 16.9 .7 550

							DEC	EHBER						
PERIOD: (PRIMARY) 1 (QVER-ALL) 1							TAI	BLF #				ARE	A 0007	111.7E
		•	ERCENT	FREQ U					URRENCE ALUES (				E OF	
V584 (NH)		N	NE	E	\$8	\$	Sw	W	NW	VAR	CALM	PCT	TOTAL	
¢1/2	PCP NO PCP TOT %	.0 .0	.0 .0	.0 .0	•0	•0	•0 •0	•0	.1 .0 .1	•0	•0	.0		
1/2<	PCP NO PCP TOT 8	.0 .0	.1	•1 •1 •2	•0	•1 •1 •2	•1	•1 •0 •1	•0	•0	•0	.6 .3 .9		
1<2	PCP ND PCP TOT %	.1 .0 .1	.1	•1 •0 •1	•0	•0	•1 •0 •1	.1 .0	•2 •0 •2	•0	•0	.9 .1 1.0		
2<5	PCP NO PCP TOT %	.4 .1 1.0	.9 .3 1.2	•0	.3 .1	•1 •1 •2	••	•1 •1	.3	.0	•1 •0 •1	3.1 1.0 4.1		
5<10	PCP NO PCP TOT %	7.5 7.9	1.9	1.4 1.9	.3 .7 1.0	.4 .6 1.0	1.4 1.5	1.1 1.4	3.0 3.4	.0	•0			
10+	PCP NO PCP TOT S	15.8 16.2	1.4 21.1 22.5	3.0 3.1	2.0 2.0	2.6 3.1	2.7 3.0	•1 ••0 ••1	6.6 7.4	•0	3.8 4.3	3.9 61.8 65.7		
	TOT DES	25.3	33.8	5.6	3.5	4.5	5.2	5,9	11.5	•0	4.8	100.0	796	

VSBY (NM)	SPD KTS	N	NE	E	SE	\$	SH	W	MA	KAV	CALM	PCT	TOTAL
	G-3	.0	.0	.0	٥,	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	-0	.0	ر ،	.1	.0		.1	
	11-21	.0	.0	•0	.0	.0	•0	•0	.0	.0		.0	
	22+	•0	٠0	•0	•0	•0	.0	٠.٥	.0	•0		.0	
	TOT S	•0	.0	•0	•0	.0	.0	.0	• 1	•0	•0	.1	
	0-3	.0	.0	.0	.0	•0	•0	•0	•0	.0	.0	.0	
1/2<1	4-10	.0	٠2	• 1	•0	٠į	•	.1	•0	•0		.5	
	11-21	.0	.0	•1	٥٥	•1	٠ĭ	٠.٥	•0	.0		.3	
	22+ TOT \$	.0	.0	•0	•0	•0	.0	.0	.0	.0		.0	
	101 4	.0		.2	•0	• • •	••	••	•0	••	•0	••	
	0-3	.0	•0	•c	.0	•6	.0	.0	•0	•0	٠0	•0	
1<5	4-10	٠,	.3	•0	•0	•0	• 7	• 1	• 1	• 0			
	11-21	.1	.0	•1	•0	•6	•0	•0	-1	.0		.1	
	22+ TOT \$	.0 .1	.5 .8	•0	•0	٠٠	.0 .1	•0	.0	.0	•0	1,4	
	101 4	• •	••	•1	•0	••	••	••	••	••	••	***	
	0-3	•1	.0	•0	.0	•1	.0	•1	•	.0	-1	. 5	
2<5	4-10		• •	•2	.3	•0	٠,٢	.2	.3	•0		2.9	
	11-21	•	.6	•1	•0	•1	.2	:8	.2	•0		1.7	
	22+ TOT £	1.6	1.7	.0	.0	.0	.0	:3	.0 .5	.0	.1	5.3 5.5	
	101 2	1.0	1.1	• • •	.3	• • •	••	••	.,	••	••	,,,	
	0-3	.4		•1	-1	-1	.2	•0	.3	.0	.3	2.3	
5<10	4-10	2.7	3.3	1.0	•7	. 5	1.0	.,	2.1	•0		12.2	
	11-21	3.7	4.3	. •	٠Z	• •	٠Ž	•3	.3	•0		9.9	
	22+			.•0	0	•0	1.5	1.3	.5 3.2	••	_	2.3	
	TOT \$	7.6	9.2	1.7	1.0	.•	1.3	1	***	•¢	.3	24.1	
	0-3	1.0	2.6	. 5	.3		. 6	. • •	1.3	.0	4.4	11.4	
10+	4-10	11.0	11.8	1.9	1.9	1.6	1.7	2.7	3.0	•0		35.4	
	11-21	3.0	7.2	• •	• 2	• •	٠,٢	•	2.4	• 6		15.8	
	22+ TOT \$	7	7	0	0	3.1	3.0	4.0	7.0	•0	4.4	1.4 15.5	
	101 3	15.7	22.2	3.1	2.3	714	3.0	7.0		••	4.4	-212	
1	TOT DOS												861
1	TOT PCT	25.0	34.1	5.5	3.6	4.4	5.2	5.0	11.6	.0	4.8	100.0	

PERIOD: (PRIMARY) 1933-1972 (OVER-4LL) 1874-1972

TABLE 10

AREA 0007 SARAWAK 3.74 111.7E

PERCENT	FREQUENCY OF	CE LC:	ING I	HE I GHT	S (FEET, NH	>4/81	AN
	OCCURRE	NCF G	F NP	<5/8 1	BY HOUR		

HOUR (GMT)	000 149	150 299	300 599	600 999	1999	2000 3499	3500 4999	5000 6499	6500 79 <b>9</b> 9	8000+	TOTAL	NH <5/6 ANY HGT	
00603	.7	.0	2.9	11,4	24.3	7.1	3.6	1.4	.7	.0	52.1	47.9	140
90360	.0	.0	1.5	6.1	23.5	13,6		2.3	•0	•0	47.7	52.3	132
12615	.8	.0	2.3	9.2	16.2	7.7	1.5	. 3	. 3	•3	38.5	61.5	130
18621	1.5	.0	1.5	12.9	16.7	6.8	2.3	.0	٠0	٥.	41.7	58.3	132
TOT	4	0	11	53	108	47 8.8	11	6 1.1	1	0	241 45.1	293 54.9	534 100.0

TABLE 11

TABLE 12

											-				
		PERCENT	FREQUEN	CY /58	( KN)	6Y HOUR		CUMULAT					VSBY (NM)		
HOUR (GMT)	<b>c</b> 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL CBS	HITUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ 4ND5+	NH <5/8 AND 5+	TOTAL OBS	
00603	.5	1.8	1.8	5.0	27.4	63.5	219	00603	•0	4.4	20.0	34.1	45.9	135	
90360	.0	٠.	.9	6.9	22.0	70.2	218	90360	•0	1.6	11.9	37.3	50.8	126	
12615	•0	.5	.9	5.2	27.8	65.6	212	12615	.8	3.1	14.0	24.8	61.2	129	
18621	.5	.9	2.6	5.2	28.8	62.4	229	18621	1.6	4.7	19.4	24.8	55.8	129	
TOT	.1	. 8	14	49 5.6	233	574 65.4	\$78 100.0	TOT	3 46	18 3.5	85 16.4	157 30.3	277 53.4	519 100•0	

TARLE 13

TABLE 14

						•														
	PERC	ENT FR	EOUENC	Y OF P	ELATIV	E HUMII	DITY B	Y TEH?	TOTAL	₽¢T		PERC	ENT FR	EQUENC	Y 0F W	IND DI	RECTIO	N BY TE	EHP	
TEHP F	0-29	30-39	40-49	50-59	69-65	70-79	80-89	70-100		FREQ	4	NE	£	SE	\$	SW	w	NW	VAR	CALM
90/94 85/89	.0	.0	.0	.0	1.1	2.3	.0	.0	1	4.1	.0	.0	.0	٥.	:9	.2	,0	.¢	.0	:0 :7
80/84 75/79	ò	.0	•			17.9	34.7	10.4	286	64.9	14.7	26.6	3.1	1.8	2.0	3.2	4.5	6.3	.0	2.7
75/79	.0	.0	• • •	•0	0	.9	14.5	15.0	134	30.4	6.9	8.U	. 8	, 5	2.2	1.0	1.2	4.9	•0	3.9
70/74	.0	.0	.0	•0	• • 0	•0	•0	.5	2	.5	•0	•0	• 2	•0	. 2	.0	•0	.0	•0	•0
TOTAL	٥	0	0	1	14	93	519	115	441	100.0										
PCT	.0	.0	0	• 2	3.2	21.1	49.4	26.1			22.4	35.3	4.8	2.4	5.0	5.5	5.7	11.3	•0	7.3

TABLE 15

 $C_{i}$ 

TABLE 16

	TABLE 13															••			
	MEANS,	EXTREM	ES AND	PERCEI	TILES	0° TE	MP (DE	G F) 8	Y HOUR		PERC	ENT	~12	QUENÇY	OF RELA	TIVE H	PTIDITY	BY HOUP	R.
HOUR (GHT)	MAX	995	95 <b>%</b>	50%	5%	15	MIN	HEAN	TOTÁL OBS	HOUR (GHT)	0=29	2	,	60-69	70-79	80-89	90-100	HEAN	TOTAL
£0300	91	86 88	84 86	81 81	76 76	74 75	73 75	8C.3	257 278	00603	.0		.0	1.7	13.7 30.6	53.0 34.3	31.6 25.9	#6 #3	117 108
12615	85	84	84 83	81 80	77 76	75 75	72 70	80.6 79,8	253 284	12815 10821	•0		.0	1.7	23.9 17.8	53.1 55.1	22.1	85	113 110
101	91	86	84	61	76	75	70	40.5	1072	TOT	0		1	15	•7	224	119	85	456

PAGE 544

T. V

DECEMBER

PERIOD: (PRIMARY) 1933-1972 (OVER-ALL) 1874-1972

TABLE 17

AREA 0007 SARAWAK 3.7N 111.7E

PCT FRED OF AIK TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	61	85	89	TOT	¥	₩Đ
THP DIF	72	76	80	84	88	92		FÖG	FDG
6	.0	.0	.0	.0	.1	.0	1	.0	.1
Š	.0	.0	.1	.0	٠,	. 1	6	.0	. 8
ă.	.0	•0	.1	.7	٠,5	• 1	9	.0	1.2
š	.0	.0	.0		.3	•0	9	.0	1.2
ž	.0	.0	.7	3.4		.1	38	.0	5.1
ī	.0	•0	1.1	2.4	. 3	.0	28	.0	3.6
		.0	4.3	15.6	:ī	.ŏ	150		20.2
0 -1	•1				:0		86	ö	11.6
-1	.0	.3	4.3	7.0		•0			
-2	.0	.3	9.0	10.1	. 3	•0	191	• 1	25.5
-3	٠.	.3	4.4	3,4	. 3	٠.	62	.0	0.3
-4	.0	. 9	7.3	2.6	.0	.0	80	.0	10.8
-5	.0	1.1	4.2	.7	.0	.0	44	.0	5.9
-6	.0	. 5	1.2	.1	.0	.0	14	.0	1.9
-7/-8		. 9	1.6	, ;	.0	.0	21	.0	2.8
-9/-10	.0	. 4	.3	.0	.0	.0	5	.0	.7
TOTAL	·ĭ	••	287	••	23	••	•	·i	743
BIAL	•	35	401	375	.,	3	744	•	.43
PCT	. 1	4.7	28.6	53.1	3.1	.4	100.0	.1	99.9

PERIOD: (CVER-ALL) 1963-1972

TABLE 18

PET FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SFA HEIGHTS (FT) 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87-70
FCT 4-10 2-1 3.1 3.9 .5 .0 .7 .0 .0 .0 .0 .0 .0 .0 .0 1-3 22-93 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
23-40
41-48
69-60
61-70
71-86
57-70
FCT 1-3 

								1	DECEMBER							
PERIODI	COVER	T-ALL)	1403-1	972				TABLE	18 (CON1	11			AREA	0007 S	ARAWAK N 111	
				20	T FREC	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	SEA METO	HTS (FT)			
				s					-							
HGT	4-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	•0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
1-2	.0	.0	.5	.0	.0	.0	.5		• C	3.1	.9	.0	•0	.0	3.9	
3-4	•0	.0	.5	•0	.0	•0	.5		•0	.7	, 9	.0	•0	.0	1.5	
5-6	.0	.0	.5	•0	.0	•0	. 5		•0	•0	.2	•0	•0	.0	. 2	
_7_	.0	.0	•0	•0	• 0	•0	.0		•0	•0	•0	.0	•0	.0	•0	
8-9	.0	.0	.0	•0	.0	•0	• C		•0	.0	.0	.0	•0	.0	•0	
10-11	.0	•0	•0	.0	.0	•0	•0		•0	•0	.0	•0	•0	.0	•0	
12	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
13-16	•0	.0	•0	•0	• 0	•0	•0		•0	•0		•0	+0	.0	•0	
17-19	•0	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
20-22	•0	.0	•0	•0	•0	•0	•0		•3	•?	.0	•0	•0	•0	•0	
23-25	٠.٥	.0	•0	•0	.0	•0	•0		•0	•0		•0	•0	.0	•0	
26-32	•0	.0	•0	•0	•0	.0	•0		•0	•0	.0	•0	•0	.0	.0	
33-40 41-48	٠.٥	•0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
49-60	.0	.0	•0	•0	•0	•0	•0		•0	•0		•0	•0	.0	•0	
61-70	.0	.0	•0	•0	•0	•0	•0		•0	:0	•0	.0	•0	.0	•0	
71-86	.0	:0	•0	•0	.0	.0	•0		.0	.0	•0	•0	•0	•0	•0	
87+			•0	.0	.0	.0	.0		.0	.0	•0	•0	•0	•0	•0	
TOT PCT	.0	.0	1.5	•0	•0	.0	1.5		.0	3.6	1.9	•0	•0	•0	5.7	
,01 /01	••	••		••	••	••	•••		••		1.,,	••	••	•0	201	
				u .								NW				TOTAL
HGT	1-3	4-10		22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.0	.0	•0	•0	.0	•0	1.0		1.7	.0		•0	•0	.0	1.7	. •
1-2	.0	3,1	.7	.0	.0	٥.	3.8		٠,	1,5	, o	.0	.0	.0	1.5	
3-4	.0	2.1	.0	.0	ō	•0	2.1		.0	3.1	2.7	.0	٠ō	iŏ	5.0	
5-6	•0	.0	•0	•0	•0	•0	.0		•0	. 2	.0	•0	•0	.0	. 2	
7	.0	.0	•0	•0	.0	•0	.0		.0	.0	.0	.0	•0	.0	•0	
8-9	•0	.0	•0	•0	•0	•0	•0		•0	•0	.0	•0	•0	.0	.0	
10-11	•0	•0	•0	•0	.0	-0	•0		•0	.0	•0	•0	•0	•0	.0	
12	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
13-16	•0	.0	•0	•0	.0	.0	•0		.0	.0		.0	•0	.0	.0	
17-19	.0	.0	•0	•0	•0	•0	•0		• 9	•0		•0	•0	•0	•0	
20-22	.0	.0	•0	•0	•0	•0	•0		•0	• 0		•0	•0	•0	• 0	
23-25	•0	.0	•0	•0	•0	.0	•0		•2	•0		.0	•0	•0	•0	
26-32	•0	.0	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	.0	•0	
33-40	٠.٥	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	.0	•0	
41-48	٠.	•0	•0	•0	.0	٠0	•0		•0	•0	•0	•0	•0	•0	.0	
49-60	٠.	٥.	•0	•0	•0	•0	•0		•0	•0	•0	•0	•0	•0	.0	
61-70	•0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
71~86 87+	.0	.0	•0	•0	.0	•0	•0		•0	•0	•0	•0	•0	•0	•0	
TOT PCT	1.0	5.1	•0	•0	•0	•0	6.8		1.7	4.8	2.7	•0	•0	•0	0	94.5
INT PUT	***	3.1	• ′	•0	•0	•0	0.0		147	710	2.7	•0	•0	•0	9.2	79.3

	MIND	SPEED	(KTS)	VS SEA	₩E1GHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	11.0	5.5	.0	.0	.0	.0	16.4	083
1-2	2.7	18.5	6.8	.0	.0	.0	28.1	
3-4	.0	12.3	19.2	1.4	.0	.0	32.9	
5-6	.0	4.1	11.6	1.4	.0	.0	17.1	
7	·ŏ		.,,	2.1		.ŏ	2.7	
8-9	.0	.7	. 7	.0	.0		1.4	
10-11					.0			
	•0	•0	1.4	•0		•0	1.4	
12	•0	•0	•0	.0	•0	•0	•0	
13-14	•0	•0	•0	.0	•0	.0	•0	
17-19	•0	.0	•0	.0	•0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
20-32	•0	•0	•0	. 0	.0	•0		
33-40	.0			ö	•0			
41-48				.0	.0			
49-60								
	•0	•0	•0	•0	•0	•0	•0	
<b>●1-70</b>	•0	•0	•0	•0	•0	•0	•0	
71-86	•0	• 0	.0	.0	•0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	•0	
								146

P2R10	D: (DV	/ER-4LL	.) 194	9-1972	<b>:</b>				TABLE	19											
					PERCENT	FRE	QUENCY 0	F WA	VE HEI	CHT TF	r) vs	WAVE P	ERIOD	( SECON	051						
PERICO (SEC)	<1	1-2	3-4	5-6	7	1-7	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.7	9.4	15.5	7.2	. 8	.3	.3	.0	0	.0	:0	.0	.0		.0	.0	.0	.0	.0	130	3
5-7	.0	1.0	11.6	13.6	3.3	1.7		.0	.0	.0	:0	.0					.0		.0	110	5
8-7	.0		1.9	2.8	3.9	1.7	.6		.õ	.ŏ	:0		.ŏ			,õ	.ŏ		, õ	46	ě
10-11	•0	.3	.0	1.1	. 8		.6		1.1	.0	:0	. 0		.0		.o	.0	.ŏ	.0	19	Ť
10-11 12-13	•0	.0	.3	.0	.0	.3	.0	.0		.0	:0	.0				.0	.0	.0	.0	4	10
>13	•0	•0	.0	.0	.0	.0	•0	.0	•0	.0	:0		.0				.0	.0	.0	٥	
INDET	2.5	2.4	1.9	1.1	.õ	.0	. i	ě	.0	·ŏ	.0	. 0	.0			.0	.0			36	3
TOTAL	26	58	113	93	32	16	11	6		à	0	٥	à		_	1	Ö	ŏ	٥	361	
PCT	7.2	16.1	31.3	25.8	8.9	4.4	3.0	1.7	1.7	•0	•0	.ŏ	٠ŏ	٠ŏ	٠ŏ	.ŏ	.ŏ	.ŏ	.ŏ	100.0	

C

**f** ,

ANNUAL

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1857-1973

*

TABLE 1

AREA 0007 SARAWAK 3.7% 111.8E

PERCENT	FREQUENCY	ΠF	MEATHER	DCCURRENCE	RY	WIND	DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	OR74	FRZG PCFN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR LTNG	FOG WO PCPN	POS MO POPN PAST HR	SMOKE HAZE		NO SIG WEA
N	5.6	2.6	.8	.0	٠0	.0	.0	9.0	2.7	4.6	.6	.0	.7	•1	82.9
NE	4.6	2.4	.6	.0	٥.		• G	7.6	2.3	3.2	. 6	.0	. 3	•0	26.1
E	5.4	1.7	2.4	.0	.0		.0	9.4	2.5	1.5	.0	.0	1.2		85.7
ŠE	6.8	2 1	2.1	•0	.0		.0	11.0	2.4	1.0		.0	•0	•0	85.3
S	9.5	3.2	2.2	•0	• 0		•0	14.8	4.4	3.2	• 0			•0	77.1
Sw	7.8	2.8	.9	• 0	•0			11.6	2.3	1.5	•1	. ŭ		•1	84.1
¥	10.1	2.6	2.1	٠Ō	+0		.0	14.7	3.3	3.2	• 0	.0	.7	• 5	78.2
Йw	6.4	2.3	1.2	.0	.0		.0	9.7	1.6	4.0	.0	. 0	.9		83.5
VAR	.0	.0	•0	.0	.0		.0		•0	.0	•0	.0	.0	•0	8.3
CALM	4.5	1.6	1.4	•0	•0		•0	7.5	.3	3.6	1.0	.3	2.3	•0	85.0
TOT PCT	5.4 7927	2.1	1.2	٠0	•0	•0	•0	8.6	2.2	2.9	.3	•		•1	85.3

TABLE 2

### PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			•	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	PAIL	PCPN AT OB TIME	PCPN PAST Hour	THOR	FOG ND PCPN	POG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLHG DUST BLHG SNOH	NO SIG NEA
00603 00609 12615 18621	7.7 3.6 3.8 6.3	3.0 2.1 .9 2.4	1.7 .9 1.1 1.3	.0	••	.0	.0	12.3 6.4 5.7 10.0	3.4 2.7 1.1 1.6	.2 4.3 6.8	.6 .3 .5	.1 .0 .0	:0	•0 •1 •0 •1	82.2 89.8 87.9 80.4
TOT PCT	5.4 8246	2.1	1.2	.0	•0	.0	•0	8.6	2.2	2.9	.4	•		•1	85,2

TABLE 3

### PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOLR

R 0-3					48+	TOTAL OBS	PCT FRFQ	MEAN SPD	00	03	96	нруя 09	(GHT) 12	15	18	21
2.1			.4	•			13.5	7,3	10.4	11.5	10.7	16.3	14.6	18.9	14.2	14+1
2.5	12.3	6.7	.5		•0		21.9	7.1	21.7	20.3	21.6	20.6	22.3	22.6	23.5	21.6
1.4	3.7	•é			.0			•.2	0.1							5.8
1.4	3.7	.4	.0	-0	.0											8.1
																7.2
			. 3													16.7
																9.9
							7.0	9.7		7.8	2.7	11.1	10.7	9.0	8.3	5.5
.0		•0	•0	•0	•0				.0	•0	٠.	>0	.0	.0	.1	.0
11.6							11.6	.0	13.1	4.7	10.4	0.7	19.9	8.6		11.1
						10401	••••	7.0								1046
7 26.5	53.8	18.1	1.6	. 1			100.0	• •								
	2-1 2-5 1-4 1-8 2-2 1-9 1-7	2-1 7-9 2-5 12-3 1-4 3-7 1-8 5-6 2-2 9-1 1-9 6-7 1-7 4-9 -0 9	2-1 7-9 3-0 2-5 12-3 6-7 1-4 3-7 -6 1-8 5-4 1-2 2-2 9-1 3-2 1-7 4-9 -9 11-6 \$	R 0-3 4-10 11-21 22-33  2:1 7.9 3:0 .4 2:5 12:3 6:7 .5 1:4 3:7 .6 6 1:4 3:7 .4 .0 1:8 5:4 1:2 6 2:2 9:1 3:2 .3 1:9 6:7 2:1 .2 1:7 4:9 .9 .1 .0 6 .0 .0	2:1 7.9 3.0 .6 e 2:5 12:3 6.7 .5 e 1:4 3.7 .6 e 1:4 3.7 .4 .0 .0 1:8 5.6 1.2 e 2:2 9:1 3.2 3 e 1:9 6.7 2:1 .2 e 1:9 6.7 2:1 .2 e 0 e .0 .0 .0	2:1 7.9 3:0 .4 * 2.5 12:3 34-47 48+  2:1 7.9 3:0 .4 * 2.5 12:3 6:7 .5 * .0 1:4 3:7 .6 * 2 * .0 1:4 3:7 .4 .0 .0 .0 1:8 5:4 1:2 * 2 * .0 1:9 6:7 2:1 .2 * .0 1:7 4:9 .9 :1 * .0 1:1 6 5:4 1:2 * .0 1:9 6:7 2:1 .2 * .0 1:9 6:7 2:1 .2 * .0 1:1 6:9 .9 .0 .0 .0 .0 11:6 5:4 12:4 12:4 12:4 12:4 12:4 12:4 12:4 12	R 0-3 4-10 11-21 22-33 34-47 48+ TUTAL UBS  2:1 7.9 3.0 4	R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT OBS FREQ  2:1 7.9 3.0 4 * 13.5 2:5 12:3 8-7 5 * 0 21:9 1:4 3:7 6 * 0 0 0 5.7 1:4 3:7 4 0 0 0 0 5.5 1:8 5:4 1:2 * 0 0 5.5 1:8 5:4 1:2 * 0 11:0 1:7 4:9 9 1 0 0 7.6 1:7 4:9 9 1 0 7.6 11:6 5 11:6 5 11:6 5 11:6 5 11:6 5 11:6 5 11:6 5 11:6 5 11:6 5 11:6	R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN UBS FRFG SPD  2:1 7.9 3.0 4	R 0-3 4-10 11-21 22-33 34-47 48+ TUTAL PCT MEAN 00 03 06 09 12 15  2:1 7.9 3:0 4	R 0-3 4-10 11-21 22-33 34-47 48+ TUTAL PCT HEAN 00 03 06 09 12 15 18 UBS FRFQ SPD    2.1 7.9 3.0 4					

TARLE 3A

WND DIR	0=0	WIND 7-16	SPEED 17-27	(KNOTS) 20-40	41+	TOTAL 083	PCT FREQ	MEAN SPD	00	HBUI 06 09	12 12 15	18 21
N	6.0	6.2	1.2	•1	•		13.5	7.3	10.7	13.0	16.0	14.2
NE	7.8	11.9	2.1	• 1	.0		21.9	7.4	21.2	21.3	22.5	22.8
£	3.6	2.0	• 1	•	٠0		5.7	4.2	W.1	4.0	3.7	4.3
SE	3.5	1.9		.0	٠.		5.5	5.9	E. 9	3.2	2.8	5.1
5	4.5	7.7	•2	•	.0		8.5	7.1	11.9	10.2	4.9	6.4
Su	6.7	7.0	1.0	•1	•		14.8	7.9	15.3	10.1	13.1	14.5
W	5.6	4.0	•7	•1	.0		11.0	7.3	7.6	11.4	15.0	1.1
NW	4.6	2.6	.3				7.6	4.5	4.9	7.7	10.4	7.3
VAR		•0	.0	• 0	.0		•		.0	2.	.0	•
CALM TOT DAS	11.0					10401	11.6	7.0	11.3 2608	2753	2528	15.0
TOT BET	54.0	40.0	5.4				100.0			100.0	100.0	100.0

*	Ŀ١	11	ı	

							ANTUR	•						
PERIODI (PRIMAR (OVER-A	Y) 1926-197 LL) 1857-197						TABLE	4			AREA	0007	SARA 3.7N	NAK 111.8E
			PER	CENTAGE	FREQU	ENCY OF	wino :	SPEED #Y	HOUR	(GHT)				
	HOUR	CALM	1-3	4-10		SPEED 22-33			MEAN	PCT FREQ	TOTAL DBS			
	00603 00609 12615 18621 TOT	11.3 9.1 11.6 15.0	14.4 16.0 14.6 14.3	53.1 54.6 54.9 52.2	19.5 18.6 17.2 16.8	1.5 1.7 1.6		1 ·0 0 • 2 ·0	7.2 7.0		2608 2753 2528 2512 10401			
	PCT	11.6	14.8	53.7	18.1	1.6	• ;	1 *		100.0				

			T.	ARLE 5								T/	BLF 6					
P	CT FRE			CLOUD A D DIREC		(EIGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN	16 HE 16	HTS (F	TONH 3	4/8) N	
WND DIR	0-2	3-4	5-7	8 & 035CD	TCTAL DBS	CUVER	000 149	150 299	900 599	600 999	1000 1999	2000 3499	3500 4799	5000 6499	6500 7999	8000÷	NH <5/8	
N	1.9	2.8	4.7	3.4		3.1	•		. 2	1.2	7.0	.9	.3		•1	.0	7.9	
NE	3.1	5.3	10.4	3.8		5.0	•1		. 3	1.3	3.1	1.5	. 5	• 1	•		15.4	
E	. 8	1.3	2.8	1.2		5.3		•0	. 1	.5	.7	.5	. 2		•		4.1	
SE	. 5	.7	2.2	1.3		5.9	•	•	. 2	• 2	.7	. 4	. 2		•		2.0	
S	. 8	1.7	4.3	7.3		6.0	•1	•	.1	.7	1.2	.7	. 4			. 1	5.8	
ŚW	1.5	2.3	5.5	4.4		5.6	•2	•	. 2	1.2	2.0	. 8	.4	• 2		• 1	8.5	
₩	1.3	2.0	4.5	2.9		5.8	. 3	•	. 1	1.0	1.6	. 0	.3	• 1		.1	6.5	
NH	1.0	1.2	2.3	1.9		5.2	•	•	. 2	. 6	. 9	. 3	.1	•1			4.0	
VAR	•0	.0	•0	•0		•0	•0	•0	.0	.0	.0	•0	.0	• 0	.0	.0	•0	
CALM	3.3	3.4	4.9	2.4		4.8	•	•0	.1	.7	1.4	.7	.2	•	•	.1	10.7	
TOT 385	14.1	20.7	41.7	23.5	100.0	5.3	.8	.,	1.4	7.4	13.7	6.7	2.7	•6	.3	.4	65.8	100.0

TARLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	• JR	• OR	• CA	- 7R	• DR	<b>⇒</b> OR	• GR	• OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>5040	>0
• DR >6500	.7			.8	. 8	.0		. 8
<ul> <li>gr &gt;5000</li> </ul>	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
■ OR >3500	3.4	4.1	4.2	4.2	4.2	4.2	4.2	4.2
■ UR >2000	8.6	10.6	10.9	11.0	11.0	11.0	11.0	11.0
• DR >1000	18.6	23.3	24.3	24.6	24.6	24.7	24.7	24.7
● UR >600	22.7	25.6	31.2	31.6	31.8	31.9	31.9	31.9
■ UR >300	23.4	30.7	32.5	33.1	33.2	33.3	33.3	33.3
. DR >150	23.6	30.9	32.7	33.3	33.4	33.5	33.5	33.5
. DR > 0	23.1	31.3	33.3	33.9	34.1	34.2	34.2	34.2

TOTAL NUMBER OF UBS: 4790 PC1 FREQ NH <5/81 65.8

# TABLE 74

### PERCENTAGE FREQ OF CON CLOUDS (EIGHTHS)

TOTAL
1 2 3 4 5 6 7 8 085CD 085 6.4 11.2 18.3 16.3 12.8 8.0 9.0 7.1 10.2 .6 5270

PAGE 548

1.

ANNUAL

PERIOD: (PRIMARY) 1: (OVER-ALL) 1	926-1973 857-1973						TAB	LE B				ARE	A 0007	SARAWAK 3.7N 111.6
		PE	RCENT								IBILIT		E OF	
VSBY (NM)		N	NE	E	SE	S	Sw	W	NW	VAR	CALM	PCT	TOTAL	
	PCP		.0	•	•		.0	•		.0	.0	. 1		
<1/2	NO PCP				.0	.0	• 0	•		.0	•	.1		
• •	TOT \$	•	.0	•	•	•	•0	•	•	•0	•	,2		
	PCP	٠	•		•		•	٠	•	.0	•0	.2		
1/2<1	NO PCP	.0	.1	•	•0	•	:	•	.0	.0	•	.1		
	TOT %	•	.1			•	•	•		.0	•	.3		

3,

TABLE 9

			1					ECTION S OF V			ED		
VSBY (NH)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	۵.	.0	•		
<1/2	4-10	•	.1	•	•	.0	.0	.0	•	.0		.2	
	11-21	•	•		•					.0		.1	
	82+	.0	.0	•0	.0	•0	.0	٠.	.0	.0		.0	
	TOT \$	•	•1	•	•	•	•	•	•	.0	•	.3	
	0-3	.0	.0	.0	•0	.0	.0	.0	•	.0	•		
1/2<1	4-10				•	•			.0	.0		.2	
	11-21	.0		•	.0	•	. •	.0	.0	.0		.1	
	22+	.0	•0	.0	•0	.0	:0	.0	.0	٠.		.0	
	TOT \$	•	•1	•	•	•	•	•	•	.0	•	.3	
	0-3		•	•	•	.0	.0	•	•	.0	•	.1	
1<2	4-10	.1	•1	•		•			•	.0		.4	
	11-21	.1	•		•		.1	•	•	.0		.3	
	22+	.0	•	•0	.0	.0		• 0	.0	.0		•	
	TOT \$	-1	.2	•1	-1	•1	-1	-1	-1	.c	•		
	0-3	•	.1	•	•	•	:1	.1	-1	.0	-1	.5	
5 < 5	4-10	.3	.4	•1	.1	•2	.2	. 2	.2	.0		1.7	
	11-21	.2	.3	•1		•1	.2	.1	. 1	۰0		1.0	
	22+	•	•	•0	.0	•	•	.0	•0	•0		.1	
	TOT \$	.6	.8	•3	.2	.3	.5	••	.5	.0	•1	3,4	
	0-3	.4	.5	.3	.6	.5	.7	. 4	.5	.0	3.0	6.9	
5<10	4-10	1.7	2.1		1.0	1.3	2.2	1.7	1.4	.0		12.1	
	11-21	1.1	1.5	.1	.2	.4	.9	.7	. 2	.0		5.1	
	22+	.2	. 2	.0	.0	•	.2	.2	.1	.0			
	TOT \$	3.5	4.1	1.0	1.8	2.1	4.0	3.0	2.2	•0	3.0	24.9	
	0-3	1.4	2.0	1.0	. 8	162	1.0	1.2	1.1	.0	8.8	18.6	
10+	4-10	5.9	7.5	3.0	2.7	4.0	5.9	4.7	3.3			39.0	
	11-21	1.8	5.1	• •	•2		2.0	1.2	. 6	.0		12.1	
	22+	.2	. 4	•	•0	•	• 1	- •		.0		7	
	TOT \$	7.3	17.0	1.5	3.7	•.0	.0	7.2	5.0	•	1.1	70.4	
	10T CBS												8444
1	TOT PCT	13.7	22.3	5.8	5.7	8.4	13.7	10.7	7.6	•	12.0	100.0	

ANNUAL PERIOD: (PRIMARY) 1926-1973 (OVER-ALL) 1857-1973

AREA 0007 SARAWAK 3.7N 111.8E TABLE 10 PERCENT FREQUENCY OF CFICING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000 149	190 299	300 599	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 TOH YKA	
60300	. 8	.2	2.4	8.5	16.2	6.6	3.1	1.3	.4	.7	40.0	60.0	1379
90360	.4	.3	1.1	7.2	12.7	7.7	2.6	.4	•5	• 2	32.8	67.2	1312
12615	.4	.0	.9	5.1	11.1	6.1	2.7	.4	. 1	.6	27.5	72.5	1254
18621	1.4	.2	1.0	6,3	11.2	5.4	1.4	.5	.4	.5	28.3	71.7	1135
TOT PCT	.7	.2	1.4	6.9	12.9	6.5	2.5	.7	.3	.5	32.5	67.5	9080 100.0

TABLE 11 TABLE 12

		PERCENT	FREQUEN	CY V <b>S</b> BY	(NM)	BY HOUR		CUMULAT					VSRY (NH) )/BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL GBS	HĴUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.5	.5	.7	3.3	24.0	71.0	2293	00603	. 8	3.9	14.4	28.0	57.6	1309
90360	.3	.2	.•	2.5	20.1	70.1	2177	90360	.4	2.1	10.7	24.2	65.2	1232
12615	.2	.1	.6	3.5	26.9	68.8	2232	12615	.4	1.5	9.0	21.2	69.8	1179
18621	••	.4	1.5	4.0	26.0	67.8	2063	18621	1.5	2.9	12.3	18.6	69.0	1070
101 134	. 3	.3	.•	3.3	24.3	70.9	8765 100.0	†0† PC†		2.6	11.7	23.3	65.0	4790 100.0

TARLE 13 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP
0-29 30-39 40-49 50-59 A0-69 70-79 80-89 90-100 OBS FREQ •0 .1 .0 .0 .5 .3 .1 1.6 6.5 3.0 1.2 20.4 37.4 .1 1.1 7.6 .1 1.1 12.1 68.1 18.1 .0000

12.4 22.3

4955 100.0

3.5 28.4 48.2 19.5

TASLE 15 TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE PURSUIT.

0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL 085

0 .2 1.4 21.1 49.1 28.3 85 1424

0 .9 9.2 41.2 35.9 12.8 80 1237

0 .0 2.3 29.0 52.1 16.6 83 1380

0 .1 1.3 23.3 53.4 22.0 84 1202

180 1490 2496 1062 83 5243 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR MIN MEAN TOTAL DES 72 81.1 2627 2711 72 61.5 2557 70 80.6 2583 70 81.6 10478 l# 74 76 76 75 75 82 83 82 81 82 76 78 78 70 77 77

PASE 350

NNUAL

.2 3.5 25.1 57.8 11.3 1.9 .2

100.0 .3 99.7

							ANNUA	·					
PER:001	(PRIMARY) (OVER-ALL)	1926-1973 1857-1973				т	ABCE :	17			AR	EA 0007	7 SARAWAK 3.7N 111.8
		PCT FRED OF AIR	TEMPERAT VS	URE (	DEG F SEA 1	EMPE	D THE	OCCUR E DIFF	RENC! ERENC	E IDEG	(WITHOU F)	T PRECI	(PITATION)
			AIR-SEA THP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>45	707	₽DG	HO FOG
			11/13	.0	•0	.0	•	.0	•		7	•0	.1
			9/10	.0	• 0		•	.1	. 1	•1	21	.0	.3
			7/8	.0			•	. 2	. 2	•1	35	•0	.3 .5 .5
			6	.0	.0	.0		.2	.2	٠.٥	36	•	.5
			5	.0	•0		.3	. 3	.,		95	• 0	1.3
			4	.0	• 0	.1	1.0	1.1	. 3	.0	198	•	2.6
			3	.0	.0	.1		. 9	.4	.0	143	•0	2.0
			2	.0		.3	3,6	1.9	.1	.0	460	•0	5.9
			i	.0		. 6	3.2	ž.1	•	, ö	424	•	5.9
			ō	•	• 2	2.5	12.4	2.1		.0	1342	•1	17.1
			-1		•1	2.3	9,3	1.2		, ŏ	935	.0	13.0
			-2	•	.3	4.6	14,1	.7	.0	.0	1513	•1	19.6
			-3	•	• 1	2.4	6,4	. 2	.0	.õ	662	•	9,2
			-4	.0	. 5	4,1			.0	ò	768		10.1
			-5	.1	.5	3.1	1.4	-1	.0	.0	374		5,0
			-6		.4	2.2		.0	.0	.0	217	·	3,0
			-7/-8	•	. 5	1.6		.0	.0	,ŏ	216	•	2,9
			-9/-10	ì	.3			.0	ŏ	.0	46	•0	*;;
			-11/-13 TOTAL	•	•1	•	•0	.0	.0	·ŏ	14 7506	•0	:2

PERIOD: (OVER-ALL) 1963-1973

TABLE 16

				PÉ	T FREG G	P WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EN HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	484	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	1.0	1.1	• 1	-0	.0	.0	2.2	1.1	1.1	•	.0	•0	.0	2.2
1-2	.4	3.2	.8	•0	•0	•0	4.4	1.5	5.7	1.9	•0	• 0	•0	9.0
3-4	.0	2.3	1.7	•1	.0	•0	4.1	.1	2.6	3,5	-1	•0	•0	6.4
5-6	.0	.3	.8	• 1	.0	٠.	1.2	.0	.6	2,3	.4	• 0	•0	3.4
7	.0	.0	.3	•0	•0	.0	43	•0	• 2	, 9	.5	•0	•0	1.6
8-9	.0	• 1			.0	.0	• 1	•0	•0	.1	.0	• 1	.0	.2
10-11	.0		• 1	.1	.0	•0	.3	.0	•1	.3	-1	•0	.0	.5
12	.0	.0	•0	•	.0	•0	•	•0	.0	•	•	•0	•0	•
13-16	.0	•0	•0	.0	.0	•0	•0	•0	•0	.0	.0	•0	•0	.0
17-19	•0	.0	•0		.0	.0		•0	•0	•0	•	•0	•0	•
20-22	•0	•0	•0	•	•0		.1	•0	•0		•	•0	٠0	.1
23-25	.0	.0	•0	.0	.0	+0	.0	•0	•0	.0	.0	•0	-0	•0
26-32	.0	.0	.0	•0	.0	•0	.0	.0	•0	.0	•0	•0	•0	.0
33-40	.0	•0	•0	.0	.0	•0	.0	٥.	•0	٠,	.0	•0	٠0	-0
41-48	•0	.0	•0	.0	.0	-0	.0	.0	•0	.0	.5	•0	•0	.0
49-60	.0	.0	.0	۰.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0
61-70	.0	.0	•0	•0	.0	•0	.0	.0	•0	.0	• 9	•0	.õ	.0
71-86	.0	.0	•0	.0	.0	•0	•0	.0	.0	.0	٠٥.	•0	-0	• 0
874	.0	.0	•0	•0	.0	•0	.0	•0	.0	.0	.0	•0	.0	.0
TOT PCT	1.4	7.0	3.8	.5	. 0	ě	12.7	2.7	10.3	9,2	1.1	•1	Ö	23.4
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.6	•0	•0	•0	•0	1.7	.5	.4	•0	•0	•0	•0	.9
1-2	. 5	2.0	. 3	, ŏ	.0	.ŏ	2,4	.3	1.8	ž	, o	٠ñ	,ŏ	2.5
3-4	• 1	.4	.3	.0	.0	.0		•0		.1	.0	•0	.0	. 6
5-6	•0	.2	• ?	• 9	.0	-0		•0	11	. 1	•0	•0	.0	.2
7	.0	• • •	•0	.0	.0	•0	•0	•0		.0	.0	•0	٠,	•
8-9	•0	c <b>O</b>	•0	•0	•	•0	•	.0	•0	.0	•0	•0	•0	٠.
10-11	•0	٠0	.0	•0	•0	٠0	•0	•0	•0	.0	. 13	•0	.0	•0
12	.0	٠0	•	.0	•0	•0	•	•0	.0	•0	•0	•0	.0	3.
13-26	• 0	•0		.0	•0	•0	9	•0	•0	•0	• • •	•0	٠,0	•0
17-19	•0	٠0	•0	-0	.0	•0	•0	•0	.0	•0	•0	•0	•0	•0
20-22	•0	.0	•0	•0	•0	•0	۰0	•0	.0	•0	•0	+0	•0	•0
23-25	•0	•0	•0	•0	•0	•0	•0	•0	20	•0	• 5	•0	•0	•0
26-31	• 0	٠٥	•0	•0	•0	•0	•0	•0	.0	.0	•0	•0	•0	•0
33-40	.0	.0	.0	.0	•0	•0	•0	• 6	•0	•0	•0	•0	.0	•0
41-48	.0	.0	.0	.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	•0
49-60	.0	.0	.0	.0	• C	.0	.0	•0	.0	.0	•0	•0	.0	•0
61-70	• 6	.0		.0	•0	•0	.0	•0	.0	.0	•0	•0	.0	•0
71-66	•0		.0	•0	•0	•0	.0	• 3	.0	.0	•0	•0	.0	•0
874	•0	.0	.0	.0	.0	.0	•0	•0	.0	.0	٠٥	•0	.0	.0
tor per	1.7	3.2	1.0	.0	•	.0	5.9	1.0	2.9	.4	.0	•0	•0	4.2

									ANNUAL							
PER100:	(OVE	(-ALL)	1963-1	973				TABLE	18 (CONT	)			LREA		Sarahak 7n 111	.8E
				PC	T FREG (	OF WIND	SPEED	(KTS)	AND DIREC	CTION	VERSUS S	SEA HEIG	H75 (FT)			
HGT	1-3	4-10	11-21	S 22+33	34-47	48+	PCT		1-3	4-10		SW				
<1	.7	.5	.0	.0	.0	•••	1.2			.8		22-33	34-47	48+	PCT	
1-2	.,	4,2	.8	.0	.0	.0	5,5		.6	>.2		•0	•0	.0	1.5	
3-4	ii	1.2		.0			1.6		;	2:5		.0	•0	•0	7.2 4.0	
5-6	. 6	.1	.2	.ŏ	.0	.0	.3		.0	.1		::	.0	.0	1.4	
7	.0	.0		.0	.0	.0			ěň	';		::	•0	.0	.5	
8-9	• •	.0	•0		.0	.0	٠,٠		.0	Ĭ		• • •	.0	:0	.1	
10-11	.0	.i	.0	.0	.ŏ				.0	.0		. 0	. 0	.0	i	
12	.0	, i	•0	•0	.0	.0	, î		. 0				.0	ŏ	•	
13-16	.0	.0	•0	•0	•0		.c		.0	.0			•0	,0	•0	
17-19	.0	.0	•0	•0	.0	.0	•0		.0	.c		.č	•0	.0		
20-22	.0	•0	•0	•0	.0	•0	.0			.0		.0	.5			
23-25	.0	.0	.0	• 0	.0	.0	.0		.0	.0		.ŏ	ě	.0	.ŏ	
26-32	•c	•0	•0	•0	.0	.0	.0		.0	.0		•0	•0	•0	•0	
33-40	.0	.0	• 0	• 0	.c	.0	.0			.0		.0	•0	•0	.0	
41-48	.0	• 0	•0	•0	•0	•0	.0		.0	.0			•0	.ŏ	·ŏ	
49-60	.0	.0	•0	• 0	٠.	•¢	.0		.0	.0		•0	•0	.0	•0	
61-70	.0	•0	•0	•0	• D	•0	•0		•0	•0	.0	•0	•0	.0	•0	
71-86	•0	.0	•0	•0	.5	• 0	• 2		• 0	• 0	0	•0	• 0	•0	•0	
87+	•0	.0	•0	•0	.0	• C	• 0		• 0	.0	.0	•0	•0	.0	.0	
TOT PCT	1.3	6.1	1.6	•0	•0	•0	9.0		1.1	8,6	4.9	•2	•0	•0	14.8	
				w								NW				TOTAL
HG₹	1-3	4-10	1-71		34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	. 9	1.2	• 1	•0	.0	•0	2.2		.,7	.5		.0	•0	•0	1.2	
1-2	. 3	4.8		.ŏ	.0	.0	5.9			2.0		.0	.0	.ŏ	2.7	
3-4	. 1	1.5	1.0	• 0	.0	.0	2.5		. 0	. 6			ò		1.1	
5-6	•0	.3	.3	•0	•0	٠č			•0	• 1			•0			
7	.0	.1	.3	-1	.0	٠.	. 5		. າ	.0	. 1	.0	•0	.0	• 1	
8-9	.0		• 5	- 1	•0	.0	. 3		•0	•0	.0	•0	•0	.0	.0	
10-11	.0	•0	. 1	•0	.0	•0	. 1		•0	.0	.0	.0	.0	.0	.0	
12	•C	.0	•0	•0	•0	•0	4 C		•0	•0	• • • •	•0	•0	.0	•0	
13-16	.0	.0	•0	•0	•0	•0	•0		.0	.0		•0	•0	.0	•0	
17-19	•0	.0	•0	•0	•0	•0	•0		•0	•0		•0	•a	•0	•0	
20-22	.0	•0	•0	-0	.0	•0	•0		.0	٠.		.0	•0	.0	•0	
23-25	•0	.0	•0	•0	.0	.0	•0		•0	.0		•0	•0	.0	•0	
26-32	•c	.0	•0	•0	•0	•0	•0		.0	•0		•0	•0	•0	•0	
33-40	.0	•0	.0	•0	•0	• 0	•0		•0	.0		•0	•0	•0	•0	
41-48	•0	•0	•0	• 0	•0	•0	•0		•0	•0		•0	•0	.0	•0	
49-60	•0	.0	•0	•0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
61-70	•0	•0	•0	•0	.0	•0	•0		•0	•0		•0	•0	.0	.0	
71-86	•0	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	•0	•0	
87+	.•0	.0	0	•0	• 2	•0	0		•0	0		•0	•0	.0	•0	
TOT PCT	1.3	6.0	2.7	• 2	•0	•0	12.1		1.2	3.2	1.1	•0	•0	.0	5.5	87.6

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-71	22-33	34-47	48+	PCT	TOT
c1	20.0	5.1	.3	.0	.0	.0	26.4	JBS
1-2	4.7	26.4	6.6	, č	.0	.0	39.7	
3-4	. 5	11.6	8.7	, 1		.0	21.1	
5-6		1.6	5.4			.0	7.8	
7	•0	.3	2.0	. 6	.0	ő.	2.9	
8-9	• 0	.:	.4		- 1	.ŏ	7.7	
10-11		; 2		ž			1.0	
12		. 1	.,	':		.ŏ		
13-16	.0		·	.0	.0		•	
17-19	.ŏ	.0	•0	•		.ŏ		
20-22	ě	ŏ	•		.0	•	.ĭ	
23-25	.0	.0	.0	.0	.0	.0	:	
26-32					.0			
	•0	•0	•0	•0			•0	
33-40	•0	•0	•0	•0	•0		•0	
41-48	•0	•0	•0	.0			.0	
49-60	•0	• C	.0	•0	-0		.0	
41-70	.0	.0	.0	.0	.0	.0	.0	
71-65	•0	.0	.0	.0	.0	.0	.0	
47+	.0	.0	.0		.0		.0	
		• • •				• • •	•••	1819
TOT PCT	25.3	48.5	24.2	5.0	.1		100.0	

PER10	D: (D/	ER-ALL	.) 194	₽ <b>-197</b> 2	•				TABLE	19											
					PPRCENT	FRE	QUENC/	OF WAY	AF HET	GHT 1F	T) VS	WAVE P	ERIOU	(SECON	120						
PERIOD (*2C)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	50-55	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6 6-7	8.1 .1	24.8 3.2	14.0	4.2 5.7	1.1	.2	. 2 . 6	:1	.0	:0	.0	.0	.0	,0	.0	.0		,0	.0	1887 779	2
8-9 10-11	.0	.3	1.0	2.2	1.6	.7 .2	.3	.2	•		.0	.0	.0		0	.0	.0	:0	.0	257	ě
12-13	.0	.0	.2	.1	.1	•	•0	• • • • • • • • • • • • • • • • • • • •	• 5	:0	.0	.0	.0	.0	•0	.0	.0	.0	.0	17	ۇ.
>13 INDET	13.7	2.9	1.1	.0	••		•0	••	••	.0		•0			•0	 0.		•0	••	627	15
PCT	21.9	31.2	24.2	13-0	5.4	2.0	1.3	.6	•2	-1	71	•0	.0	•0	•6	٠0	•0	•0	•0	3638 100-0	3

PARE 352

**c** -2

£

--

,; ÷

	-						•							
			PERCE	NY FRE	QUENCY	OF 00	CURREN	CE 0F	SEA TE	MP (DE	G F) 8	Y HONT	4	
SEA THP DEG F	JAN	FE8	PAT	APR	MAY	JÜN	jut	AUG	SEP	TOC	NOV	DEC	ANN	РСТ
96+	.0	.c	.0	•0	.0	.0	.0	.0	.0	•0	.0	.0	٥	.0
95/96	•0	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	Ō	,5
93/94	•0	.0	.0	.0	.0	•0	.0	•0	• 0	• 0	.0	•0	0	
91/92	•0	٠.	• 0	٥.	. 2	• 1	• 0	.0	• 0	• 0	.0	•0	2	•
89/90	• 1	. 1	• 1	. 5	1.4	2.0	1.2	. 2	• 1	. 4	• 1	•2	50	.5
87/88	. 4	. 3	1.8	3.7	11.2	8.3	4.6	4.2	3.2	2.6	1.9	1.0	317	3.2
85/86	1.9	1.2	3.6	28.0	44.4	35.5	34.7	31.8	44.3	27.0	18.7	7.0	1911	19.4
83/84	13-1	8.3	18.6	40.7	33.1	31.4	35.3	45.5	50.6	48.6	39.6	28.7	3060	3:.0
81/82	53.1	48.3	54.2	20.1	7.1	12.5	14.4	16.3	17.4	19.8	35.9	47.4	3119	31.6
79/80	23.4	29.6	17.4	5.3	1.8	9.2	8.7	1.3	2.0	.9	3.3	12.5	1079	10.9
77,78	5.0	0.6	3.6	1.3	. 8	. 8	. 3		• 1	.8	. 3	2 • 4	233	2.4
75/76	1.9	2.3	.5	. 2	•0	• 1	. 6	•0	. 3	•0	.0	. 4	63	•6
73/74	• •	. 6	• 1	.0	.0	• 0	• 0	•0	• 0	•0	• 1	• 0	13	•1
71/72	• 1	. 2	•0	•0	•0	•0	•0	•0	• 0	•0	•0	. 3	6	•1
69/70	•0	.3	.0	•0	.0	.0	•0	.0	•0	٠.	.0	• 1	•	•
67/68	• 1	.1	•0	•0	•0	.0	•0	•0	•0	•0	.0	•0	2	•
65/66	•0	٠.	•0	•0	•0	.0	•0	•0	•0	•0	.0	•0	0	•0
63/64	•0	•¢	.0	•¢	.0	•0	•0	•0	•6	•0	.0	•0	ç	•0
61/62 39/60	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	•0	•0	٥	••
97/58	•0	• 0	•0	•0	•0	•0	• 6	•0	•0	• 0	•0	• 0	?	• 0
(5/56	•0	.0	•0	•0	•0	•0	•0	•0	•0	•0	• 3	•0	0	٠ç
53/54	•0	.c	•0	0.0	.0	• 0	•0	•6	2•	•0	•0	•0	0	•0
51,52	.0	.0	.0	.0	.c	•0	.0	.0	•0	• 0	.0	•0	0	-0
49/50	.0	.č	•0	.0	.0	•0	• C	.0	•0	•0	.0	•0	0	٠¢
47/48	•0		.0	.0	.0	•0	.0	.0	•0	•0	•0	• 0	ö	٠ó
45/46	.0		.5		.0	•0	.0	•0	•0	•0	.0	•0	ŏ	٠,
43/44	.0		.0	.0		•0	•0	.0	•0	•0	.0	•0	ŏ	.0
41/42	•0	.ŏ	.0		:6	.0	.0	.0		•0		ĕ	ŏ	•0
39/40	.0	٥		.0	.0	•0	.0		•0	•0	.0	.0	ŏ	•0
37/38		.č	.0	.0	.0	ě	.0		č	•0	.0	.0	ŏ	.0
35/36		, č	.0	.0		•0	.0	.0	•0	•0	.0	•0	ŏ	•0
33/34	• 0	.c	.0	.ŏ	.5	ěŏ	• 0	.0	.0		.0		ŏ	•0
31/32			.0	.0	.0	.0	.0	.0	•0	•0	. 0	.0	ŏ	•0
29/30	•0	.c	.0	.0	.0	•0	.0	.0	.0	•0		.0	ŏ	.0
27/28	.0	.č	.0	.0	.0	•0	.0		•0	•0	.0	ě	ŏ	•0
<27	.5	.c	ě		. 6	.0	.0		•0	•0	.0		ŏ	•0
TOTAL	1143	496	827	622	658	791	723	620	896	794	987	1002	9859	100.0
MEAN	80.9	80.5	81.6	83.6	84.7	84.0	83.7	83.9	63.7	83.7	83.1	62.0	82.9	
	-0.	- 3		-510	5-76.	0.700	- 50.	-2.,	-34.	-31,	0301	-2.0	-2.1	

TABLE 21

				-	FPPORE	(-0)						
AVERAGE BY HOUR (GHT)												
HP	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	101 \\ 180		
JAN	1011	1010	1616	1009	1610	1016	1010	1009	1010	981		
FER	1011	1010	1010	1009	1009	10:0	1010	1010	1010	822		
MAR	1011	1010	1010	1008	1009	1010	1010	1009	1010	704		
APR	1010	1009	1009	1007	1009	1010	1009	1009	1009	496		
MAY	1010	1009	1008	1007	1008	1010	1009	1008	1009	192		
JUN	1010	1010	1009	100€	1009	1009	1009	1009	1009	577		
JUL	1009	1010	1009	1008	1008	1010	1009	1089	1009	549		
AUS	1010	1009	1009	1007	1009	1010	1009	1008	1009	514		
SEP	1016	1210	1009	1008	1007	1010	1009	1089	1009	650		
DET	1612	1510	1009	1008	1009	1009	1010	1009	1010	701		
450	(=1;	1010	1009	1000	. 210	1009	1010	1089	loic	923		
Mét	1010	1011	.009	1009	1010	1010	1009	1009	1210	152		
224	1010	iv.	4009	1008	1009	1010	1009	1009	1609	8386		
785	1596	567	1405	699	1528	599	1258	714	2044	0,00		

PERCENTILES											
40	#TM	1,5	5\$	25%	50%	758	95%	998	MAX		
327	.204	11-04	1006	1009	1010	1011	1014	1015	1017		
#8#	1004	200	1000	1038	1010	1011	1014	1015	1616		
*45	1004	125 3	1006	1000	1010	1011	1013	1014	1040		
42%	1004	110-	1006	1038	1009	1010	1012	1014	1015		
MAY	1003	1304	1005	-43	1000	1010	1012	1013	1014		
	1003	100	1024	1008	1009	1310	1012	1012	1013		
4UL	1054	1005	1564	1022	1409	1010	1012	1012	1013		
45.6	1854	1005	1004	1000	1009	1010	1012	1013	1014		
332	100+	1000	1126	1,559	1009	1011	1012	1013	1014		
425	1023	236	1.25	10 18	1010	1011	1012	1013	1015		
324	1004	1001	106	10:18	1010	1011	1013	1014	1014		
586	1004	1005	1200	1616	1010	1011	1014	1015	1016		

USCOMM-NOAA-ASHEVILLE -- 140

Best Available Copy

794

**Best Available Copy** 

Δģ

ိတ်

Q,

°,

(\$.0 (\$.0)

Þź

0,0

0 20 20

.-0

ر اور اور